

10/781,956

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PASSWORD:

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* * * * * * * * * Welcome to STN International * * * * * * * * *

NEWS 1	Web Page URLs for STN Seminar Schedule - N. America
NEWS 2	"Ask CAS" for self-help around the clock
NEWS 3 SEP 09	CA/CAplus records now contain indexing from 1907 to the present
NEWS 4 Jul 15	Data from 1960-1976 added to RDISCLOSURE
NEWS 5 Jul 21	Identification of STN records implemented
NEWS 6 Jul 21	Polymer class term count added to REGISTRY
NEWS 7 Jul 22	INPADOC: Basic index (/BI) enhanced; Simultaneous Left and Right Truncation available
NEWS 8 AUG 05	New pricing for EUROPATFULL and PCTFULL effective August 1, 2003
NEWS 9 AUG 13	Field Availability (/FA) field enhanced in BEILSTEIN
NEWS 10 AUG 15	PATDPAFULL: one FREE connect hour, per account, in September 2003
NEWS 11 AUG 15	PCTGEN: one FREE connect hour, per account, in September 2003
NEWS 12 AUG 15	RDISCLOSURE: one FREE connect hour, per account, in September 2003
NEWS 13 AUG 15	TEMA: one FREE connect hour, per account, in September 2003
NEWS 14 AUG 18	Data available for download as a PDF in RDISCLOSURE
NEWS 15 AUG 18	Simultaneous left and right truncation added to PASCAL
NEWS 16 AUG 18	FROSTI and KOSMET enhanced with Simultaneous Left and Right Truncation
NEWS 17 AUG 18	Simultaneous left and right truncation added to ANABSTR
NEWS 18 SEP 22	DIPPR file reloaded
NEWS 19 SEP 25	INPADOC: Legal Status data to be reloaded
NEWS EXPRESS	April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

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10/781,956

* * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * *
FILE 'HOME' ENTERED AT 14:00:59 ON 27 SEP 2003

=> file reg
COST IN U.S. DOLLARS SINCE FILE TOTAL
FULL ESTIMATED COST ENTRY SESSION
0.21 0.21

FILE 'REGISTRY' ENTERED AT 14:01:07 ON 27 SEP 2003
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 26 SEP 2003 HIGHEST RN 593958-55-5
DICTIONARY FILE UPDATES: 26 SEP 2003 HIGHEST RN 593958-55-5

TSCA INFORMATION NOW CURRENT THROUGH JULY 14, 2003

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

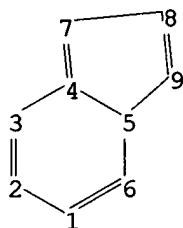
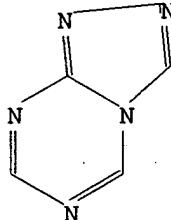
Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP
PROPERTIES for more information. See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
<http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf>

=>Testing the current file.... screen

ENTER SCREEN EXPRESSION OR (END):end

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L1 STRUCTURE uploaded

=> que L1

L2 QUE L1

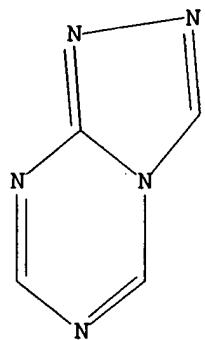
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L1 HAS NO ANSWERS

10/781,956

L1

STR



Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss sam

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SAMPLE SCREEN SEARCH COMPLETED - 59 TO ITERATE

100.0% PROCESSED 59 ITERATIONS
SEARCH TIME: 00.00.01

10 ANSWERS

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BATCH **COMPLETE**
PROJECTED ITERATIONS: 720 TO 1640
PROJECTED ANSWERS: 11 TO 389

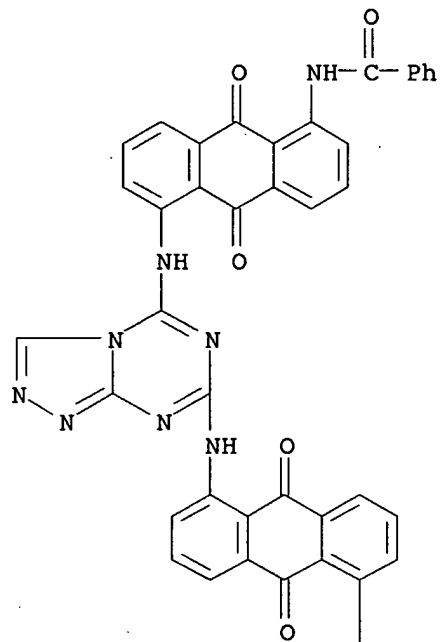
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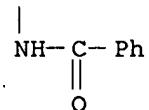
10/781,956

L3 10 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN Benzamide, N,N'-[1,2,4-triazolo[4,3-a][1,3,5]triazine-5,7-
diylbis(imino(9,10-dihydro-9,10-dioxo-5,1-anthracenediyl)])bis- (9CI)
MF C46 H27 N9 O6

PAGE 1-A



PAGE 2-A

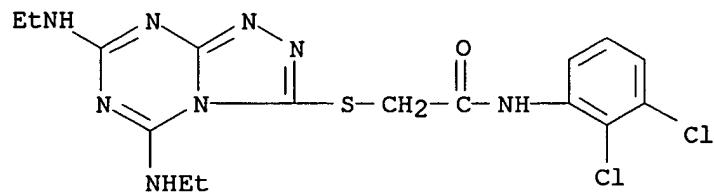


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):9

10/781,956

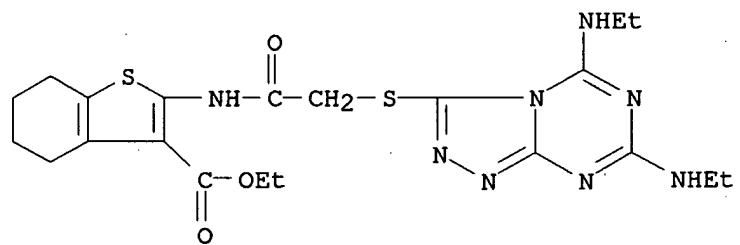
L3 10 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN Acetamide, 2-[[5,7-bis(ethylamino)-1,2,4-triazolo[4,3-a][1,3,5]triazin-3-yl]thio]-N-(2,3-dichlorophenyl)- (9CI)
MF C16 H18 Cl2 N8 O S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/781,956

L3 10 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN Benzo[b]thiophene-3-carboxylic acid, 2-[[[5,7-bis(ethylamino)-1,2,4-triazolo[4,3-a][1,3,5]triazin-3-yl]thio]acetyl]amino]-4,5,6,7-tetrahydro-, ethyl ester (9CI)
MF C21 H28 N8 O3 S2

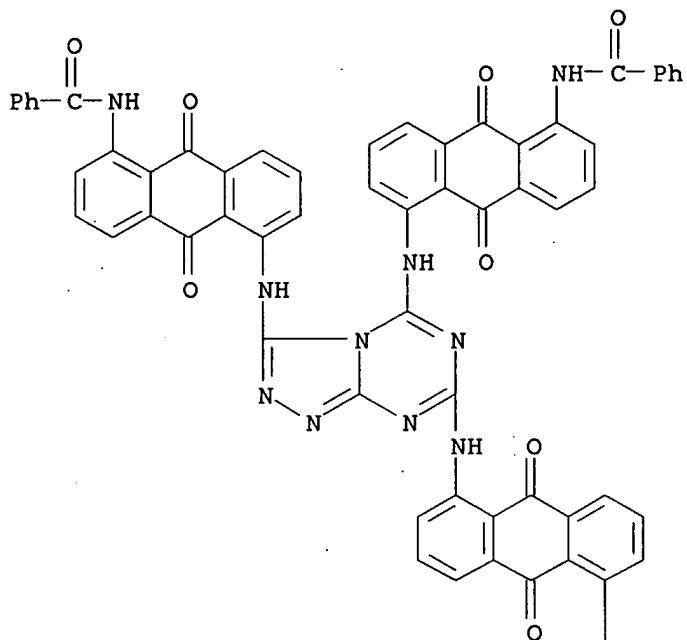


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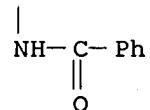
10/781,956

L3 10 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN Anthraquinone, 1,1',1''-(s-triazolo[4,3-a]-s-triazine-3,5,7-
triyltriimino)tris[5-benzamido- (7CI)
MF C67 H39 N11 O9

PAGE 1-A

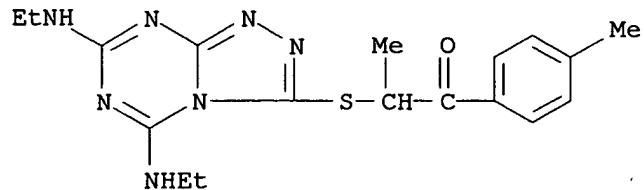


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10/781,956

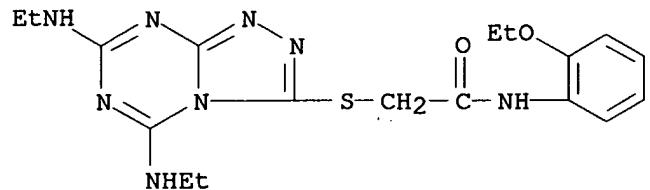
L3 10 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 1-Propanone, 2-[[5,7-bis(ethylamino)-1,2,4-triazolo[4,3-a][1,3,5]triazin-3-yl]thio]-1-(4-methylphenyl)- (9CI)
MF C18 H23 N7 O S



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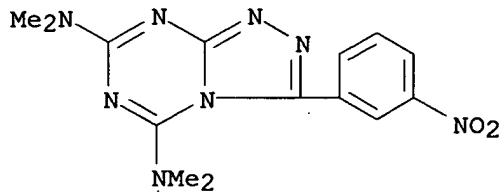
L3 10 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN Acetamide, 2-[[5,7-bis(ethylamino)-1,2,4-triazolo[4,3-a][1,3,5]triazin-3-yl]thio]-N-(2-ethoxyphenyl)- (9CI)
MF C18 H24 N8 O2 S



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/781,956

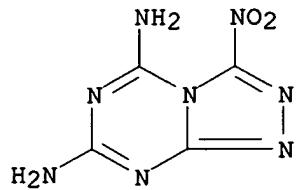
L3 10 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-5,7-diamine, N,N,N',N'-tetramethyl-3-(3-nitrophenyl)- (9CI)
MF C14 H16 N8 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/781,956

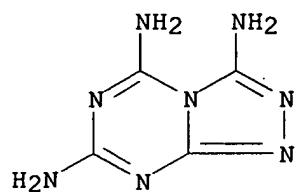
L3 10 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-5,7-diamine, 3-nitro- (9CI)
MF C4 H4 N8 O2



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

10/781,956

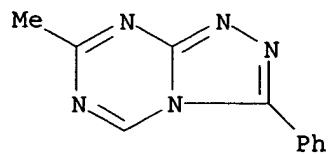
L3 10 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine, monohydrochloride
(9CI)
MF C4 H6 N8 . Cl H



● HCl

10/781,956

L3 10 ANSWERS REGISTRY COPYRIGHT 2003 ACS on STN
IN s-Triazolo[4,3-a]-s-triazine, 7-methyl-3-phenyl- (8CI)
MF C11 H9 N5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

ALL ANSWERS HAVE BEEN SCANNED

10/781,956

=> s 11 sss ful
FULL SEARCH INITIATED 14:01:42 FILE 'REGISTRY'
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100.0% PROCESSED 1230 ITERATIONS 149 ANSWERS
SEARCH TIME: 00.00.01

L4 149 SEA SSS FUL L1

=> file caplus
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FULL ESTIMATED COST ENTRY SESSION
148.15 148.36

FILE 'CAPLUS' ENTERED AT 14:01:48 ON 27 SEP 2003
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FILE COVERS 1907 - 27 Sep 2003 VOL 139 ISS 14
FILE LAST UPDATED: 26 Sep 2003 (20030926/ED)

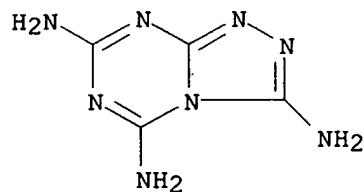
This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 14
L5 39 L4

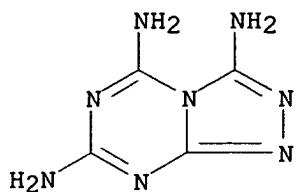
=> d 1-39 bib hitstr

L5 ANSWER 1 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 2003:282119 CAPLUS
 DN 138:287703
 TI Preparation of 1,2,4-triazolo[4,3-a][1,3,5]triazine-3,5,7-substituted precursor and its compounds
 IN Sitzmann, Michael E.
 PA USA
 SO U.S. Pat. Appl. Publ., 14 pp., Cont.-in-part of U.S. Ser. No. 874,946.
 CODEN: USXXCO
 DT Patent
 LA English
 FAN.CNT 4

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|-----------------|--|-----------------|----------|
| PI | US 2003069247 | A1 | 20030410 | US 2002-181149 | 20020710 |
| | US 6423844 | B1 | 20020723 | US 2001-874946 | 20010606 |
| | WO 2002098855 | A2 | 20021212 | WO 2002-US17564 | 20020531 |
| | WO 2002098855 | A3 | 20030313 | | |
| | | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | |
| | | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | |
| PRAI | US 2001-874946 | A2 | 20010606 | | |
| | WO 2002-US17564 | W | 20020531 | | |
| OS | MARPAT | 138:287703 | | | |
| IT | 7144-22-1P 485318-08-9P | | | | |
| | RL: RCT (Reactant); SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) | | | | |
| | (preparation of triazolotriazinetriamine and triazolo-tetrazino- aminotriazine derivs. as energetic materials for pyrotechnic compns.) | | | | |
| RN | 7144-22-1 | CAPLUS | | | |
| CN | 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine (9CI) | (CA INDEX NAME) | | | |



RN 485318-08-9 CAPLUS
 CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine, monohydrochloride, monohydrate (9CI) (CA INDEX NAME)



● HCl

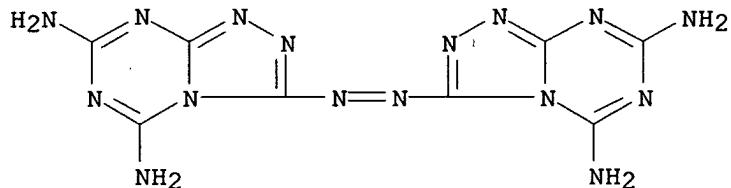
● H₂O

IT 485319-37-7P

RL: SPN (Synthetic preparation); TEM (Technical or engineered material use); PREP (Preparation); USES (Uses)
(preparation of triazolotriazinetriamine and triazolo-tetrazino-aminotriazine derivs. as energetic materials for pyrotechnic compns.)

RN 485319-37-7 CAPLUS

CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-5,7-diamine, 3,3'-azobis- (9CI) (CA INDEX NAME)



10/781,956

L5 ANSWER 2 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2003:43052 CAPLUS
DN 138:92349
TI Synthesis and properties of substituted 1,2,4-triazolo[4,3-a][1,3,5]triazines as candidate explosives and pyrotechnics
IN Koppes, William M.; Sitzmann, Michael E.
PA USA
SO U.S. Pat. Appl. Publ., 14 pp., Cont.-in-part of U.S. 6,423,844.
CODEN: USXXCO
DT Patent
LA English
FAN.CNT 4

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---------------|------|----------|-----------------|----------|
| PI | US 2003013878 | A1 | 20030116 | US 2002-171114 | 20020614 |
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OS MARPAT 138:92349

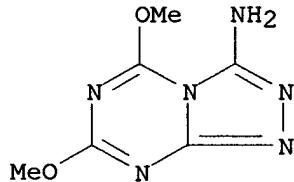
IT 485319-38-8

RL: MSC (Miscellaneous)

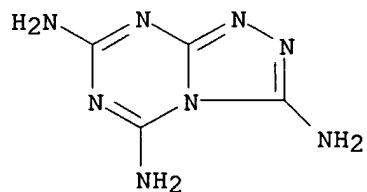
(synthesis and properties of substituted 1,2,4-triazolo[4,3-a][1,3,5]triazines as candidate explosives and pyrotechnics)

RN 485319-38-8 CAPLUS

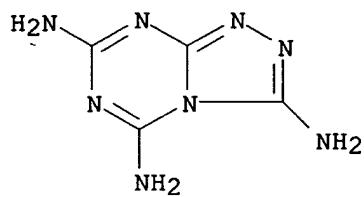
CN 1,2,4-Triazolo[4,3-a][1,3,5]triazin-3-amine, 5,7-dimethoxy- (9CI) (CA INDEX NAME)



IT 7144-22-1DP, 1,2,4-Triazolo[4,3-a][1,3,5]-triazine-3,5,7-triamine, salts 7144-22-1P, 1,2,4-Triazolo[4,3-a][1,3,5]-triazine-3,5,7-triamine 485318-08-9P 485319-37-7P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(synthesis and properties of substituted 1,2,4-triazolo[4,3-a][1,3,5]triazines as candidate explosives and pyrotechnics)
RN 7144-22-1 CAPLUS
CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine (9CI) (CA INDEX NAME)

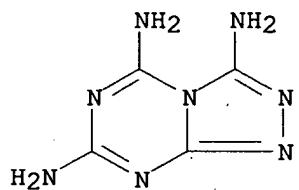


RN 7144-22-1 CAPLUS
CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine (9CI) (CA INDEX NAME)



RN 485318-08-9 CAPLUS

CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine, monohydrochloride, monohydrate (9CI) (CA INDEX NAME)

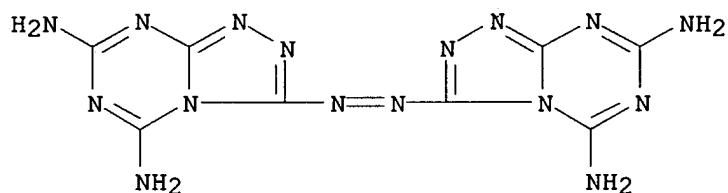


● HCl

● H₂O

RN 485319-37-7 CAPLUS

CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-5,7-diamine, 3,3'-azobis- (9CI) (CA INDEX NAME)



10/781,956

L5 ANSWER 3 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2003:43051 CAPLUS
DN 138:92351

TI Synthesis and properties of substituted 1,2,4-triazolo[4,3-a][1,3,5]triazines and triazine metal complexes as candidate explosives and pyrotechnics

IN Koppes, William M.; Sitzmann, Michael E.

PA USA

SO U.S. Pat. Appl. Publ., 10 pp., Cont.-in-part of U. S. 6,423,844.

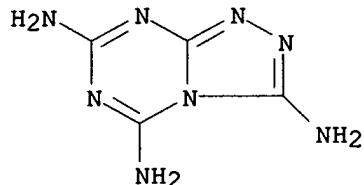
CODEN: USXXCO

DT Patent

LA English

FAN.CNT 4

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
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| PI | US 2003013877 | A1 | 20030116 | US 2002-171134 | 20020614 |
| | US 6602366 | B2 | 20030805 | | |
| | US 6423844 | B1 | 20020723 | US 2001-874946 | 20010606 |
| PRAI | US 2001-874946 | A2 | 20010606 | | |
| IT | 7144-22-1P , 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine | | | | |
| | RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation) | | | | |
| | (diazotization of; synthesis and properties of substituted | | | | |
| | 1,2,4-triazolo[4,3-a][1,3,5]triazines and triazine metal complexes as | | | | |
| | candidate explosives and pyrotechnics) | | | | |
| RN | 7144-22-1 CAPLUS | | | | |
| CN | 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine (9CI) (CA INDEX NAME) | | | | |

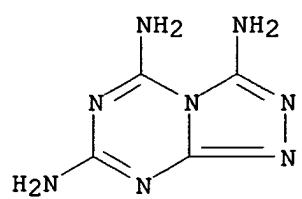


IT **485318-08-9P**
RL: PRP (Properties); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(synthesis and properties of substituted 1,2,4-triazolo[4,3-a][1,3,5]triazines and triazine metal complexes as candidate explosives and pyrotechnics)

RN 485318-08-9 CAPLUS

CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine, monohydrochloride, monohydrate (9CI) (CA INDEX NAME)

10/781,956



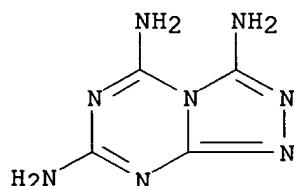
● HCl

● H_2O

10/781,956

L5 ANSWER 4 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:551626 CAPLUS
DN 137:109297
TI Preparation of 1,2,4-triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine acid salts from 2,4-diamino-6-hydrazino-s-triazine and cyanogen bromide.
IN Koppes, William M.; Sitzmann, Michael E.
PA The United States of America as Represented by the Secretary of the Navy,
USA
SO U.S., 4 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 4

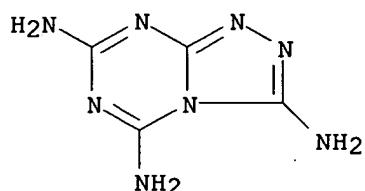
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | US 6423844 | B1 | 20020723 | US 2001-874946 | 20010606 |
| | WO 2002098855 | A2 | 20021212 | WO 2002-US17564 | 20020531 |
| | WO 2002098855 | A3 | 20030313 | | |
| | W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG | | | | |
| | US 2003013878 | A1 | 20030116 | US 2002-171114 | 20020614 |
| | US 2003013877 | A1 | 20030116 | US 2002-171134 | 20020614 |
| | US 6602366 | B2 | 20030805 | | |
| | US 2003069247 | A1 | 20030410 | US 2002-181149 | 20020710 |
| PRAI | US 2001-874946 | A | 20010606 | | |
| | WO 2002-US17564 | W | 20020531 | | |
| OS | CASREACT 137:109297; MARPAT 137:109297 | | | | |
| IT | 443288-50-4P, 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine hydrochloride hydrate | | | | |
| | RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) (preparation of triazolotriazinetriamine acid salts from diaminohydrazinotriazine and cyanogen bromide) | | | | |
| RN | 443288-50-4 CAPLUS | | | | |
| CN | 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine, monohydrochloride (9CI) (CA INDEX NAME) | | | | |



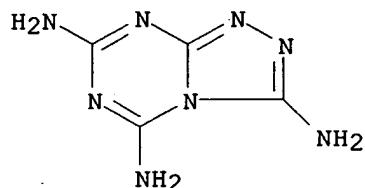
● HCl

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IT 7144-22-1DP, 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine,
salts
RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP
(Preparation)
(preparation of triazolotriazinetriamine acid salts from
diaminohydrazinotriazine and cyanogen bromide)
RN 7144-22-1 CAPLUS
CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine (9CI) (CA INDEX NAME)



IT 7144-22-1P, 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of triazolotriazinetriamine acid salts from
diaminohydrazinotriazine and cyanogen bromide)
RN 7144-22-1 CAPLUS
CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine (9CI) (CA INDEX NAME)



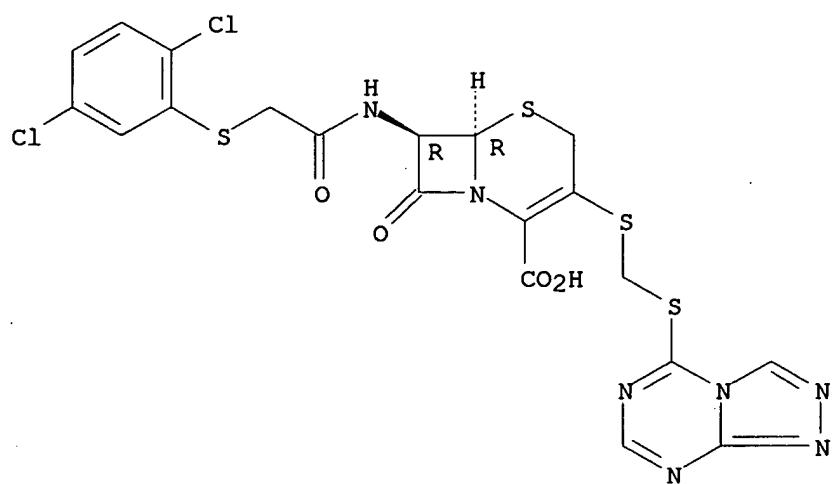
RE.CNT 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/781,956

L5 ANSWER 5 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2002:10436 CAPLUS
DN 136:85724
TI Synthesis and antibacterial activity of cephalosporin derivatives
IN Cho, Yang-Rae; Lee, Chang-Seok; Oh, Seong-Ho; Ryu, Eun-Jung; Paek,
Kyoung-Sook; Youn, Ha-Sik; Jang, Yong-Jin; Kim, Geun-Tae
PA LG Chem Investment Ltd., S. Korea
SO PCT Int. Appl., 49 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|---|----------|-----------------|----------|
| PI | WO 2002000616 | A2 | 20020103 | WO 2001-KR1020 | 20010614 |
| | WO 2002000616 | A3 | 20020627 | | |
| | W: | AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KZ, LC, LK, LR, LS, LT, LU,
LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD,
SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU,
ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM | | | |
| | RW: | GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG | | | |
| | AU 2001064379 | A5 | 20020108 | AU 2001-64379 | 20010614 |
| | EP 1294730 | A2 | 20030326 | EP 2001-938803 | 20010614 |
| | R: | AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO, MK, CY, AL, TR | | | |
| | US 2003166922 | A1 | 20030904 | US 2002-276960 | 20021121 |
| PRAI | KR 2000-35834 | A | 20000628 | | |
| | WO 2001-KR1020 | W | 20010614 | | |
| OS | MARPAT | 136:85724 | | | |
| IT | 385778-42-7P | | | | |
| | RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
(Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
(Uses) | | | | |
| | | (preparation and antibacterial activity of cephalosporin derivs.) | | | |
| RN | 385778-42-7 | CAPLUS | | | |
| CN | 5-Thia-1-azabicyclo[4.2.0]octane-2-carboxylic acid, 7-[[[(2,5-
dichlorophenyl)thio]acetyl]amino]-8-oxo-3-[(1,2,4-triazolo[4,3-
a][1,3,5]triazin-5-ylthio)methyl]thio]-, (6R,7R)- (9CI) (CA INDEX NAME) | | | | |

Absolute stereochemistry.



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L5 ANSWER 6 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2001:691722 CAPLUS
DN 135:261999
TI Hair dye composition
IN Ohashi, Yukihiro; Miyabe, Hajime; Matsunaga, Kenichi; Totoki, Shintaro;
Saito, Yoshinori
PA Kao Corporation, Japan
SO Eur. Pat. Appl., 113 pp.
CODEN: EPXXDW
DT Patent
LA English
FAN.CNT 1

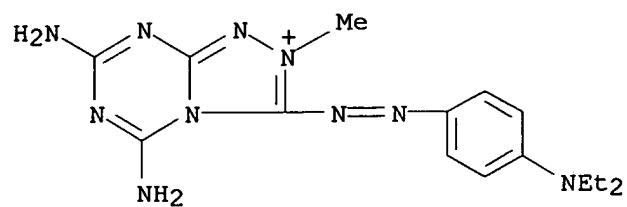
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | EP 1133975 | A2 | 20010919 | EP 2001-106318 | 20010315 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
IE, SI, LT, LV, FI, RO | | | | |
| | JP 2001261534 | A2 | 20010926 | JP 2000-76638 | 20000317 |
| | JP 2001288055 | A2 | 20011016 | JP 2000-107180 | 20000407 |
| | JP 2001288056 | A2 | 20011016 | JP 2000-107188 | 20000407 |
| | JP 2001288058 | A2 | 20011016 | JP 2000-107189 | 20000407 |
| | JP 2001288059 | A2 | 20011016 | JP 2000-107190 | 20000407 |
| | JP 2001328925 | A2 | 20011127 | JP 2000-107178 | 20000407 |
| | JP 2001328929 | A2 | 20011127 | JP 2000-107187 | 20000407 |
| | JP 2001328930 | A2 | 20011127 | JP 2000-193184 | 20000627 |
| | JP 2002012524 | A2 | 20020115 | JP 2000-193177 | 20000627 |
| | JP 2002012525 | A2 | 20020115 | JP 2000-193178 | 20000627 |
| | JP 2002012532 | A2 | 20020115 | JP 2000-193180 | 20000627 |
| | JP 2002012529 | A2 | 20020115 | JP 2000-193181 | 20000627 |
| | JP 2002012527 | A2 | 20020115 | JP 2000-193188 | 20000627 |
| PRAI | JP 2000-76009 | A | 20000317 | | |
| | JP 2000-76637 | A | 20000317 | | |
| | JP 2000-76638 | A | 20000317 | | |
| | JP 2000-76668 | A | 20000317 | | |
| | JP 2000-107178 | A | 20000407 | | |
| | JP 2000-107180 | A | 20000407 | | |
| | JP 2000-107187 | A | 20000407 | | |
| | JP 2000-107188 | A | 20000407 | | |
| | JP 2000-107189 | A | 20000407 | | |
| | JP 2000-107190 | A | 20000407 | | |
| | JP 2000-193177 | A | 20000627 | | |
| | JP 2000-193178 | A | 20000627 | | |
| | JP 2000-193180 | A | 20000627 | | |
| | JP 2000-193181 | A | 20000627 | | |
| | JP 2000-193184 | A | 20000627 | | |
| | JP 2000-193188 | A | 20000627 | | |
| OS | MARPAT 135:261999 | | | | |
| IT | 35894-58-7 | | | | |
| | RL: BUU (Biological use, unclassified); BIOL (Biological study); USES
(Uses) | | | | |
| | (hair dye composition) | | | | |
| RN | 35894-58-7 CAPLUS | | | | |
| CN | 1,2,4-Triazolo[4,3-a][1,3,5]triazinium, 5,7-diamino-3-[[4-(diethylamino)phenyl]azo]-2-methyl-, methyl sulfate (9CI) (CA INDEX NAME) | | | | |

CM 1

CRN 50565-99-6

10/781,956

CMF C15 H21 N10



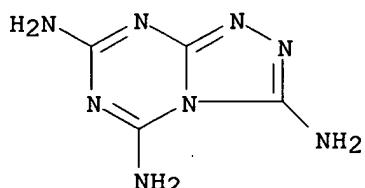
CM 2

CRN 21228-90-0
CMF C H3 O4 S

Me-O-SO₃⁻

10/781,956

L5 ANSWER 7 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2001:59890 CAPLUS
DN 134:292357
TI Docking molecules by families to increase the diversity of hits in database screens: computational strategy and experimental evaluation
AU Su, Andrew I.; Lorber, David M.; Weston, G. Scott; Baase, Walter A.; Matthews, Brian W.; Shoichet, Brian K.
CS Department of Molecular Pharmacology & Biological Chemistry, Northwestern University, Chicago, IL, 60611-3008, USA
SO Proteins: Structure, Function, and Genetics (2001), 42(2), 279-293
CODEN: PSFGEY; ISSN: 0887-3585
PB Wiley-Liss, Inc.
DT Journal
LA English
IT 7144-22-1
RL: BPR (Biological process); BSU (Biological study, unclassified); PRP (Properties); BIOL (Biological study); PROC (Process)
(method for evaluation of mol. docking screens of chemical databases for anal. of ligands for protein binding sites)
RN 7144-22-1 CAPLUS
CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine (9CI) (CA INDEX NAME)

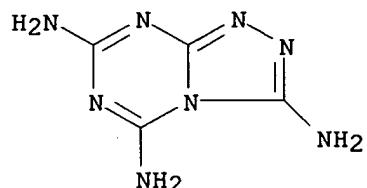


RE.CNT 41 THERE ARE 41 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

10/781,956

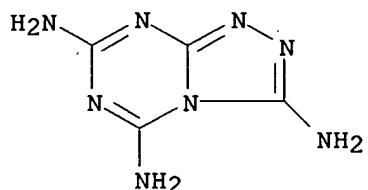
L5 ANSWER 8 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2000:623656 CAPLUS
DN 133:179919
TI Nitrogen-containing heterocyclic compounds as potential stabilizers for ammonium dinitramide (ADN) oxidant in energetic formulations
IN Ciaramitato, David A.; Reed, Russell
PA United States Dept. of the Navy, USA
SO U.S., 12 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | US 6113712 | A | 20000905 | US 1998-226616 | 19981222 |
| PRAI | US 1998-226616 | | 19981222 | | |
| IT | 7144-22-1, 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine | | | | |
| | RL: MOA (Modifier or additive use); PRP (Properties); USES (Uses) | | | | |
| | (stabilizer; nitrogen-containing heterocyclic compds. as potential stabilizers for ammonium dinitramide oxidant in energetic formulations) | | | | |
| RN | 7144-22-1 CAPLUS | | | | |
| CN | 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine (9CI) | | | (CA INDEX NAME) | |



RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 9 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
AN 2000:96368 CAPLUS
DN 132:237065
TI Formation of 3,5-diamino-1,2,4-triazole and 3,5,7-triamino-1,2,4-triazolo[4,3-a]-1,3,5-triazine in melts of dicyandiamide and hydrazine salts
AU Chernyshev, V. M.; Zemlyakov, N. D.; Tarashchich, V. A.
CS Novocherkass. Gos. Tekh. Univ., Russia
SO Zhurnal Prikladnoi Khimii (Sankt-Peterburg) (1999), 72(10), 1685-1688
CODEN: ZPKHAB; ISSN: 0044-4618
PB Nauka
DT Journal
LA Russian
IT 7144-22-1P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 7144-22-1 CAPLUS
CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine (9CI) (CA INDEX NAME)



10/781,956

L5 ANSWER 10 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1999:28085 CAPLUS

DN 130:99961

TI Multicomponent enzyme system for treating wastewaters especially from processing wood, pulp, and paper and for organic syntheses and coal liquefaction.

IN Call, Hans-Peter

PA Call, Krimhild, Germany

SO Ger. Offen., 54 pp.

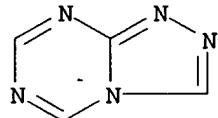
CODEN: GWXXBX

DT Patent

LA German

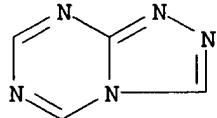
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|-----------------|----------|------------------|----------|
| PI | DE 19726241 | A1 | 19981224 | DE 1997-19726241 | 19970620 |
| | WO 9901607 | A2 | 19990114 | WO 1998-DE1694 | 19980619 |
| | WO 9901607 | A3 | 19990624 | | |
| | W: BR, CA, FI, JP, US | | | | |
| | RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| PRAI | DE 1997-19726241 | | 19970620 | | |
| OS | MARPAT | 130:99961 | | | |
| IT | 274-99-7, [1,2,4]Triazolo[4,3-a][1,3,5]triazine | | | | |
| | RL: NUU (Other use, unclassified); USES (Uses) | | | | |
| | (multicomponent enzyme system for treating wastewaters especially from processing wood, pulp, and paper and for organic syntheses and coal liquefaction.) | | | | |
| RN | 274-99-7 CAPLUS | | | | |
| CN | 1,2,4-Triazolo[4,3-a][1,3,5]triazine (9CI) | (CA INDEX NAME) | | | |



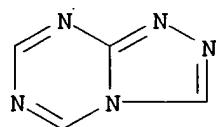
L5 ANSWER 11 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1998:31384 CAPLUS
 DN 128:90358
 TI Multicomponent bleaching system for use with detergents
 IN Call, Hans-Peter
 PA Call, Hans-Peter, Germany
 SO PCT Int. Appl., 68 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | WO 9748786 | A1 | 19971224 | WO 1996-EP2658 | 19960619 |
| | W: AU, BR, CA, CZ, FI, HU, JP, LK, NO, SK, US
RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| | AU 9663578 | A1 | 19980107 | AU 1996-63578 | 19960619 |
| | EP 845026 | A1 | 19980603 | EP 1996-922848 | 19960619 |
| | R: CH, DE, DK, ES, FR, GB, IT, LI, NL, FI | | | | |
| PRAI | WO 1996-EP2658 | | 19960619 | | |
| OS | MARPAT 128:90358 | | | | |
| IT | 274-99-7 , [1,2,4]Triazolo[4,3-a][1,3,5]triazine
RL: MOA (Modifier or additive use); USES (Uses)
(mediators; multicomponent bleaching system for use with detergents) | | | | |
| RN | 274-99-7 CAPLUS | | | | |
| CN | 1,2,4-Triazolo[4,3-a][1,3,5]triazine (9CI) (CA INDEX NAME) | | | | |



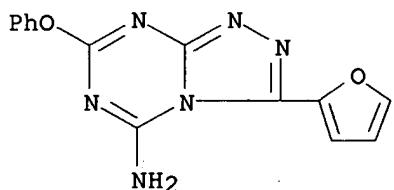
L5 ANSWER 12 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1996:504125 CAPLUS
 DN 125:145468
 TI Multicomponent system for modifying, decomposing or bleaching lignin, lignin-containing materials or similar substances, as well as a process for its use
 IN Call, Hans-Peter
 PA Lignozym GmbH, Germany
 SO PCT Int. Appl., 82 pp.
 CODEN: PIXXD2
 DT Patent
 LA German
 FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|-----------------|----------|-----------------|----------|
| PI | WO 9618770 | A2 | 19960620 | WO 1995-EP4965 | 19951215 |
| | WO 9618770 | A3 | 19960822 | | |
| | W: AU, BR, CN, CZ, FI, HU, JP, KR, NO, NZ, PL, RU, SK, UA
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE | | | | |
| | EP 717143 | A1 | 19960619 | EP 1994-119981 | 19941216 |
| | R: DE | | | | |
| | CA 2164394 | AA | 19960617 | CA 1995-2164394 | 19951204 |
| | AU 9645350 | A1 | 19960703 | AU 1996-45350 | 19951215 |
| | AU 688660 | B2 | 19980312 | | |
| | EP 745154 | A1 | 19961204 | EP 1995-944012 | 19951215 |
| | EP 745154 | B1 | 19980916 | | |
| | R: AT, BE, DE, DK, ES, FR, GB, NL, PT, SE | | | | |
| | CN 1142255 | A | 19970205 | CN 1995-191657 | 19951215 |
| | JP 09503257 | T2 | 19970331 | JP 1995-518274 | 19951215 |
| | HU 76126 | A2 | 19970630 | HU 1996-2270 | 19951215 |
| | HU 215542 | B | 19990128 | | |
| | BR 9506801 | A | 19980630 | BR 1995-6801 | 19951215 |
| | AT 171228 | E | 19981015 | AT 1995-944012 | 19951215 |
| | ES 2122722 | T3 | 19981216 | ES 1995-944012 | 19951215 |
| | RU 2142479 | C1 | 19991210 | RU 1996-118245 | 19951215 |
| | JP 3107828 | B2 | 20001113 | JP 1996-518274 | 19951215 |
| | NO 9603410 | A | 19961015 | NO 1996-3410 | 19960815 |
| | FI 9603210 | A | 19960816 | FI 1996-3210 | 19960816 |
| PRAI | EP 1994-119981 | A | 19941216 | | |
| | DE 1993-4319696 | | 19930616 | | |
| | WO 1995-EP4965 | W | 19951215 | | |
| OS | MARPAT | 125:145468 | | | |
| IT | 274-99-7 , [1,2,4]Triazolo[4,3-a][1,3,5]triazine | | | | |
| | RL: NUU (Other use, unclassified); USES (Uses) | | | | |
| | (multicomponent system for modifying or decomposing or bleaching lignin or lignin-containing materials) | | | | |
| RN | 274-99-7 | CAPLUS | | | |
| CN | 1,2,4-Triazolo[4,3-a][1,3,5]triazine (9CI) | (CA INDEX NAME) | | | |

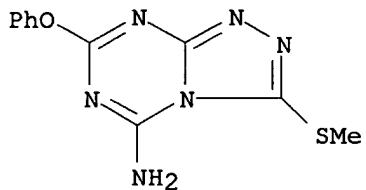


10/781,956

LS ANSWER 13 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1995:517839 CAPLUS
 DN 123:228139
 TI Adenine isosteres with bridgehead nitrogen. Part 1. Two independent syntheses of the [1,2,4]triazolo[1,5-a][1,3,5]triazine ring system leading to a range of substituents in the 2, 5 and 7 positions
 AU Caulkett, Peter W. R.; Jones, Geraint; McPartlin, Mary; Renshaw, Nigel D.; Stewart, Sarah K.; Wright, Brian
 CS ZENECA Pharmaceuticals plc, Mereside, Macclesfield, SK10 4TG, UK
 SO Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1995), (7), 801-8
 CODEN: JCPRB4; ISSN: 0300-922X
 PB Royal Society of Chemistry
 DT Journal
 LA English
 IT 139181-29-6P 168211-32-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of adenine isosteres)
 RN 139181-29-6 CAPLUS
 CN 1,2,4-Triazolo[4,3-a][1,3,5]triazin-5-amine, 3-(2-furanyl)-7-phenoxy-
 (9CI) (CA INDEX NAME)



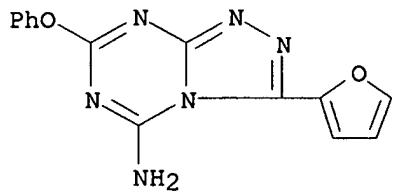
RN 168211-32-3 CAPLUS
 CN 1,2,4-Triazolo[4,3-a][1,3,5]triazin-5-amine, 3-(methylthio)-7-phenoxy-
 (9CI) (CA INDEX NAME)



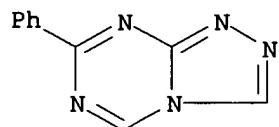
10/781,956

L5 ANSWER 14 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1995:444109 CAPLUS
DN 122:214109
TI Morpholinyl substituted [1,2,4]-triazolo[1,5-a]triazines and analogs as adenosine antagonists
IN Rodney, Peter W.; Jones, Geraint; Collis, Michael G.; Poucher, Simon M.
PA UK
SO U.S., 31 pp. Cont.-in-part of U.S. 5,270,311.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | US 5356894 | A | 19941018 | US 1993-94572 | 19930721 |
| | US 5270311 | A | 19931214 | US 1991-708265 | 19910528 |
| | PL 167014 | B1 | 19950731 | PL 1991-290445 | 19910528 |
| | CN 1056879 | A | 19911211 | CN 1991-103744 | 19910529 |
| | ZA 9104094 | A | 19920226 | ZA 1991-4094 | 19910529 |
| PRAI | GB 1990-11913 | A | 19900529 | | |
| | GB 1990-11914 | A | 19900529 | | |
| | GB 1991-1379 | A | 19910122 | | |
| | GB 1991-1380 | A | 19910122 | | |
| | GB 1991-4125 | A | 19910227 | | |
| | US 1991-708265 | A2 | 19910528 | | |
| | GB 1992-26735 | A | 19921222 | | |
| OS | MARPAT 122:214109 | | | | |
| IT | 139181-29-6P | | | | |
| | RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent) | | | | |
| | (intermediate; preparation of triazolotriazines and analogs as adenosine antagonists) | | | | |
| RN | 139181-29-6 CAPLUS | | | | |
| CN | 1,2,4-Triazolo[4,3-a][1,3,5]triazin-5-amine, 3-(2-furanyl)-7-phenoxy- (9CI) (CA INDEX NAME) | | | | |

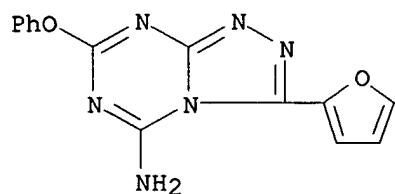


L5 ANSWER 15 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1993:101915 CAPLUS
DN 118:101915
TI Crystal and molecular structures of 7-phenyl-1,2,4-triazolo[1,5-a]-1,3,5-triazine
AU Kurella, M. G.; Vorontsova, L. G.; Amamchyan, A. R.; Dorokhov, V. A.
CS N. D. Zelinskii Inst. Org. Chem., Moscow, 117913, Russia
SO Izvestiya Akademii Nauk, Seriya Khimicheskaya (1992), (6), 1386-9
CODEN: IASKEA; ISSN: 1026-3500
DT Journal
LA Russian
IT 145933-27-3P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(preparation and crystal and mol. structure of)
RN 145933-27-3 CAPLUS
CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine, 7-phenyl- (9CI) (CA INDEX NAME)



L5 ANSWER 16 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1992:571476 CAPLUS
 DN 117:171476
 TI Preparation of (amino)heteroaryl[1,2,4]triazolo[1,5-a]triazines and related compounds as adenosine A₂ receptor antagonists
 IN Caulkett, Peter William Rodney; Jones, Geraint; Collis, Michael George; Poucher, Simon Martin
 PA Imperial Chemical Industries PLC, UK
 SO Eur. Pat. Appl., 53 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 3

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | EP 459702 | A1 | 19911204 | EP 1991-304665 | 19910523 |
| | R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE | | | | |
| | GB 2244487 | A1 | 19911204 | GB 1991-11132 | 19910523 |
| | GB 2244487 | B2 | 19940202 | | |
| | CA 2043424 | AA | 19911130 | CA 1991-2043424 | 19910528 |
| | FI 9102563 | A | 19911130 | FI 1991-2563 | 19910528 |
| | NO 9102051 | A | 19911202 | NO 1991-2051 | 19910528 |
| | NO 178401 | B | 19951211 | | |
| | NO 178401 | C | 19960320 | | |
| | AU 9177348 | A1 | 19911205 | AU 1991-77348 | 19910528 |
| | AU 642494 | B2 | 19931021 | | |
| | RO 109542 | B1 | 19950330 | RO 1991-147639 | 19910528 |
| | PL 167014 | B1 | 19950731 | PL 1991-290445 | 19910528 |
| | CN 1056879 | A | 19911211 | CN 1991-103744 | 19910529 |
| | ZA 9104094 | A | 19920226 | ZA 1991-4094 | 19910529 |
| | HU 61311 | A2 | 19921228 | HU 1991-1789 | 19910529 |
| | JP 05097855 | A2 | 19930420 | JP 1991-235332 | 19910529 |
| | IL 98316 | A1 | 19950526 | IL 1991-98316 | 19910530 |
| PRAI | GB 1990-11913 | A | 19900529 | | |
| | GB 1990-11914 | A | 19900529 | | |
| | GB 1991-1379 | A | 19910122 | | |
| | GB 1991-1380 | A | 19910122 | | |
| | GB 1991-4125 | A | 19910227 | | |
| OS | MARPAT 117:171476 | | | | |
| IT | 139181-29-6P | | | | |
| | RL: SPN (Synthetic preparation); PREP (Preparation) | | | | |
| | (preparation of, as intermediate for adenosine A ₂ receptor antagonists) | | | | |
| RN | 139181-29-6 CAPLUS | | | | |
| CN | 1,2,4-Triazolo[4,3-a][1,3,5]triazin-5-amine, 3-(2-furanyl)-7-phenoxy-(9CI) (CA INDEX NAME) | | | | |

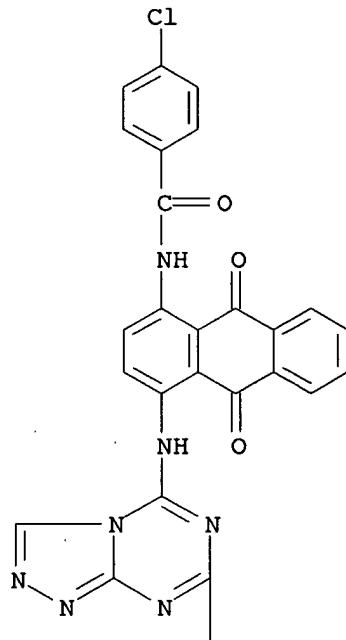


10/781,956

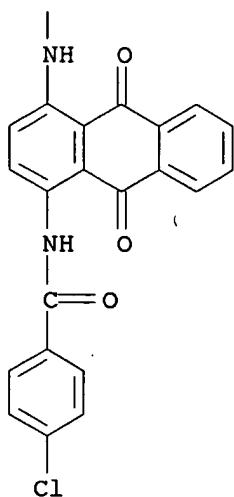
L5 ANSWER 17 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1991:658289 CAPLUS
DN 115:258289
TI 5,7-Diamino-1,2,4-triazolo[4,3-a][1,3,5]triazine vat dyes, their preparation and use
IN Altermatt, Hans
PA Ciba-Geigy A.-G., Switz.
SO Ger. Offen., 7 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|------|----------|-----------------|----------|
| PI | DE 4037569 | A1 | 19910529 | DE 1990-4037569 | 19901126 |
| PRAI | CH 1989-4253 | | 19891128 | | |
| OS | MARPAT 115:258289 | | | | |
| IT | 137249-90-2P | | | | |
| | RL: IMF (Industrial manufacture); PREP (Preparation)
(preparation of, as pigment for PVC) | | | | |
| RN | 137249-90-2 CAPLUS | | | | |
| CN | Benzamide, 4-chloro-N-[3-[[7-[[4-[(4-chlorobenzoyl)amino]-9,10-dihydro-9,10-dioxo-1-anthracyanyl]amino]-1,2,4-triazolo[4,3-a][1,3,5]triazin-5-yl]amino]-9,10-dihydro-9,10-dioxo-1-anthracyanyl]- (9CI) (CA INDEX NAME) | | | | |

PAGE 1-A



PAGE 2-A



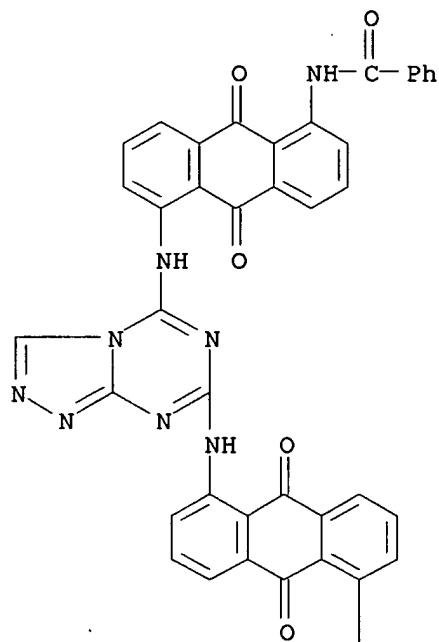
IT 137249-89-9P

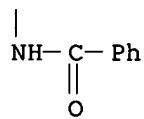
RL: IMF (Industrial manufacture); PREP (Preparation)
(preparation of, as vat dye)

RN 137249-89-9 CAPLUS

CN Benzamide, N,N'-[1,2,4-triazolo[4,3-a][1,3,5]triazine-5,7-diyl]bis(imino(9,10-dihydro-9,10-dioxo-5,1-anthracenediyl))bis- (9CI) (CA INDEX NAME)

PAGE 1-A



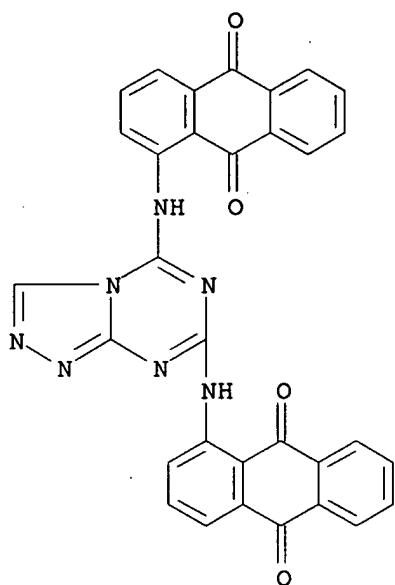


IT 137249-88-8P

RL: IMF (Industrial manufacture); PREP (Preparation)
(preparation of, as vat dye for cotton and pigment for coatings)

RN 137249-88-8 CAPLUS

CN 9,10-Anthracenedione, 1,1'-(1,2,4-triazolo[4,3-a][1,3,5]triazine-5,7-diylidimino)bis- (9CI) (CA INDEX NAME)

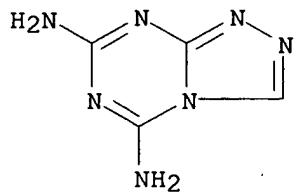


IT 23244-86-2

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, with chloroanthraquinones)

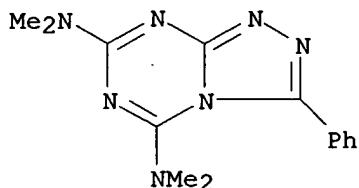
RN 23244-86-2 CAPLUS

CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-5,7-diamine (9CI) (CA INDEX NAME)

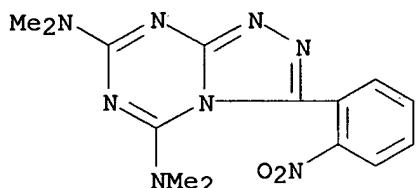


10/781,956

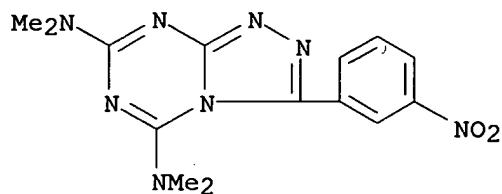
L5 ANSWER 18 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1984:530664 CAPLUS
DN 101:130664
TI Triazines and related products. Part 26. Synthesis and chemistry of bicyclic analogs of the antitumor drug 2,4,6-tris(dimethylamino)-1,3,5-triazine (hexamethylmelamine)
AU Langdon, Simon P.; Simmonds, Richard J.; Stevens, Malcolm F. G.
CS Dep. Pharm., Univ. Aston, Birmingham, B4 7ET, UK
SO Journal of the Chemical Society, Perkin Transactions 1: Organic and Bio-Organic Chemistry (1972-1999) (1984), (5), 993-8
CODEN: JCPRB4; ISSN: 0300-922X
DT Journal
LA English
OS CASREACT 101:130664
IT 54807-10-2P 91892-46-5P 91892-47-6P
91892-48-7P 91892-49-8P 91892-50-1P
91892-51-2P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and rearrangement of)
RN 54807-10-2 CAPLUS
CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-5,7-diamine, N,N,N',N'-tetramethyl-3-phenyl- (9CI) (CA INDEX NAME)



RN 91892-46-5 CAPLUS
CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-5,7-diamine, N,N,N',N'-tetramethyl-3-(2-nitrophenyl)- (9CI) (CA INDEX NAME)

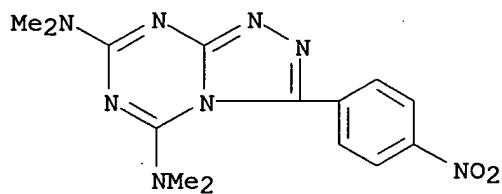


RN 91892-47-6 CAPLUS
CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-5,7-diamine, N,N,N',N'-tetramethyl-3-(3-nitrophenyl)- (9CI) (CA INDEX NAME)



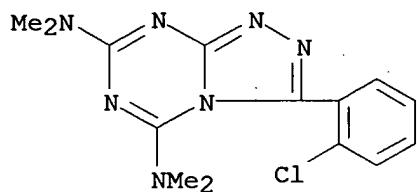
RN 91892-48-7 CAPLUS

CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-5,7-diamine, N,N,N',N'-tetramethyl-3-(4-nitrophenyl)- (9CI) (CA INDEX NAME)



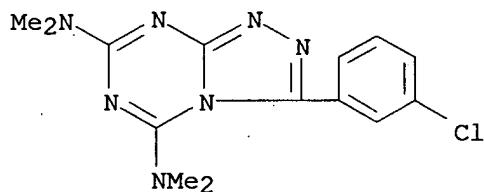
RN 91892-49-8 CAPLUS

CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-5,7-diamine, 3-(2-chlorophenyl)-N,N,N',N'-tetramethyl- (9CI) (CA INDEX NAME)



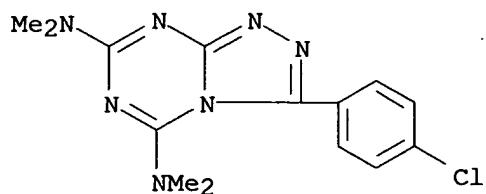
RN 91892-50-1 CAPLUS

CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-5,7-diamine, 3-(3-chlorophenyl)-N,N,N',N'-tetramethyl- (9CI) (CA INDEX NAME)



RN 91892-51-2 CAPLUS

CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-5,7-diamine, 3-(4-chlorophenyl)-N,N,N',N'-tetramethyl- (9CI) (CA INDEX NAME)

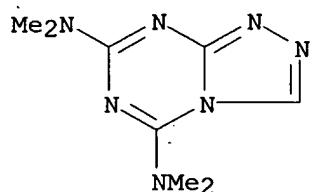


IT 54807-11-3P

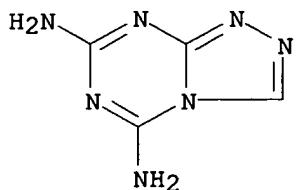
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of, by intramol. cyclocondensation of
bis(dimethylamino)(formylhydrazino)triazine)

RN 54807-11-3 CAPLUS

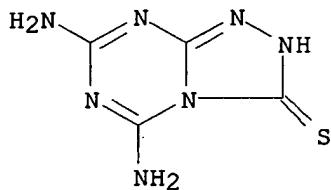
CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-5,7-diamine, N,N,N',N'-tetramethyl-
(9CI) (CA INDEX NAME)



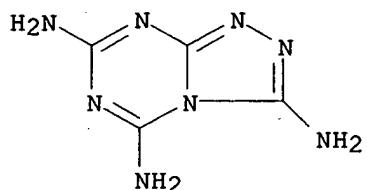
L5 ANSWER 19 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1984:34469 CAPLUS
 DN 100:34469
 TI Reaction of aminoguanidine salts with carbon disulfide and aromatic and aliphatic isothiocyanates
 AU Dobosz, Maria
 CS Inst. Fundam. Chem., Med. Acad., Lublin, Pol.
 SO Annales Universitatis Mariae Curie-Sklodowska, Sectio AA: Chemia (1982), Volume Date 1980, 35, 49-62
 CODEN: AUMCD7; ISSN: 0137-6853
 DT Journal
 LA Polish
 OS CASREACT 100:34469
 IT 23244-86-2P 88312-59-8P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 23244-86-2 CAPLUS
 CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-5,7-diamine (9CI) (CA INDEX NAME)



RN 88312-59-8 CAPLUS
 CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3(2H)-thione, 5,7-diamino- (9CI) (CA INDEX NAME)

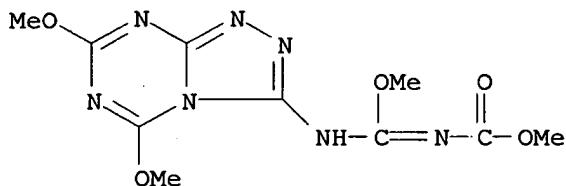


L5 ANSWER 20 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1981:84072 CAPLUS
DN 94:84072
TI Condensation of 3,6,7-triamino-7H-s-triazolo[5,1-c]-s-triazole with
α- and β-diketones and 3,5,7-triamino-s-triazolo[4,3-a]-s-
triazine with β-diketones
AU Chuiguk, V. A.; Fedotov, K. V.
CS Kiev. Gos. Univ., Kiev, USSR
SO Ukrainskii Khimicheskii Zhurnal (Russian Edition) (1980), 46(10), 1092-4
CODEN: UKZHAU; ISSN: 0041-6045
DT Journal
LA Russian
IT 7144-22-1
RL: RCT (Reactant); RACT (Reactant or reagent)
(cyclocondensation of, with β-diketones)
RN 7144-22-1 CAPLUS
CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine (9CI) (CA INDEX NAME)

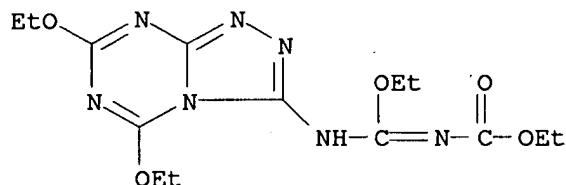


10/781,956

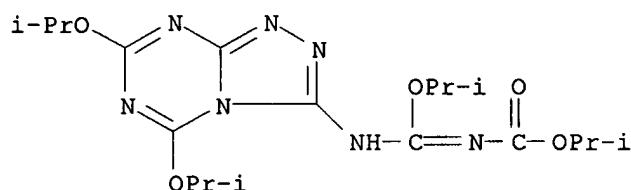
L5 ANSWER 21 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1979:455885 CAPLUS
DN 91:55885
TI Photolyses of azidotriazines in organic nitro compounds
AU Goka, Tsuruji; Hashida, Yoji; Matsui, Kohji
CS Fac. Eng., Gunma Univ., Kiryu, 376, Japan
SO Bulletin of the Chemical Society of Japan (1979), 52(4), 1231-2
CODEN: BCSJA8; ISSN: 0009-2673
DT Journal
LA English
IT 70735-75-0P 70735-76-1P 70735-77-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 70735-75-0 CAPLUS
CN Carbamic acid, [[[5,7-dimethoxy-1,2,4-triazolo[4,3-a][1,3,5]triazin-3-yl)amino]methoxymethylene]-, methyl ester (9CI) (CA INDEX NAME)



RN 70735-76-1 CAPLUS
CN Carbamic acid, [[[5,7-diethoxy-1,2,4-triazolo[4,3-a][1,3,5]triazin-3-yl)amino]ethoxymethylene]-, ethyl ester (9CI) (CA INDEX NAME)

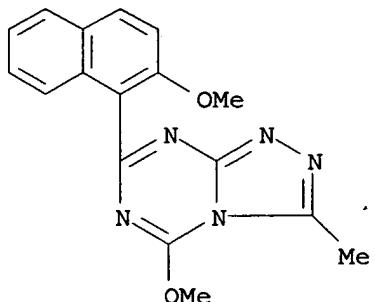


RN 70735-77-2 CAPLUS
CN Carbamic acid, [[[5,7-bis(1-methylethoxy)-1,2,4-triazolo[4,3-a][1,3,5]triazin-3-yl]amino](1-methylethoxy)methylene]-, 1-methylethyl ester (9CI) (CA INDEX NAME)



10/781,956

L5 ANSWER 22 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1978:151659 CAPLUS
DN 88:151659
TI Photolyses of 2-azido-4-methoxy-6-(1-naphthyl)-1,3,5-triazines: reactions
of singlet and triplet 1,3,5-triazinyl nitrenes with solvents
AU Goka, Tsuruji; Shizuka, Haruo; Matsui, Kohji
CS Dep. Chem., Gunma Univ., Kiryu, Japan
SO Journal of Organic Chemistry (1978), 43(7), 1361-7
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English
IT 65103-02-8P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 65103-02-8 CAPLUS
CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine, 5-methoxy-7-(2-methoxy-1-naphthalenyl)-3-methyl- (9CI) (CA INDEX NAME)



LS ANSWER 23 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1978:135885 CAPLUS

DN 88:135885

TI Studies on heterocyclic compounds. V. Photochemical reactions of 2-(2,6-dichlorobenzylidenehydrazino)pyrimidine and its related hydrazones

AU Tsujikawa, Teruaki; Tatsuta, Motomi

CS Cent. Res. Div., Takeda Chem. Ind., Ltd., Osaka, Japan

SO Chemical & Pharmaceutical Bulletin (1977), 25(12), 3137-46

CODEN: CPBTAL; ISSN: 0009-2363

DT Journal

LA English

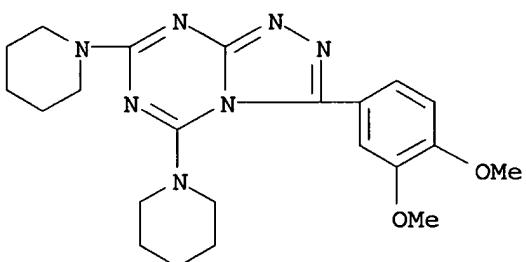
IT 65845-88-7 65845-89-8 65845-90-1

65845-91-2

RL: RCT (Reactant); RACT (Reactant or reagent)
 (photochem. isomerization of)

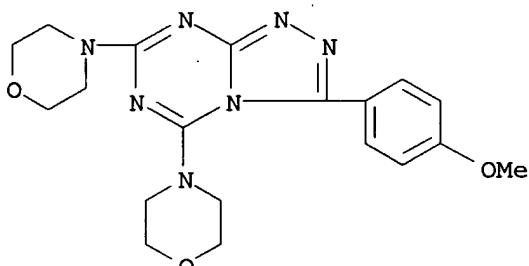
RN 65845-88-7 CAPLUS

CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine, 3-(3,4-dimethoxyphenyl)-5,7-di-1-piperidinyl- (9CI) (CA INDEX NAME)



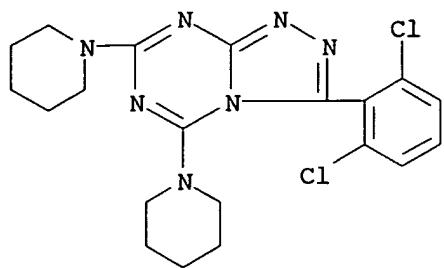
RN 65845-89-8 CAPLUS

CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine, 3-(4-methoxyphenyl)-5,7-di-4-morpholinyl- (9CI) (CA INDEX NAME)



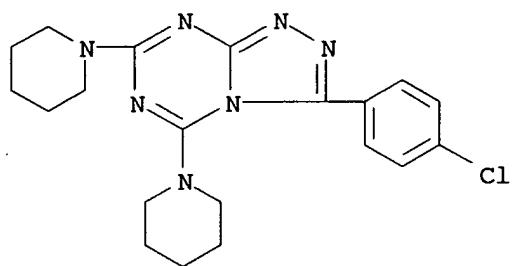
RN 65845-90-1 CAPLUS

CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine, 3-(2,6-dichlorophenyl)-5,7-di-1-piperidinyl- (9CI) (CA INDEX NAME)



RN 65845-91-2 CAPLUS

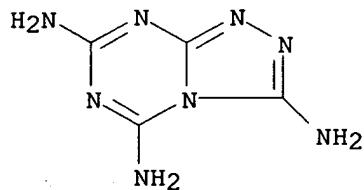
CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine, 3-(4-chlorophenyl)-5,7-di-1-piperidinyl- (9CI) (CA INDEX NAME)



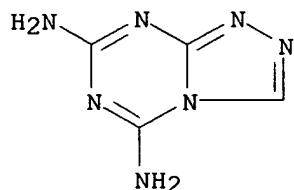
10/781,956

L5 ANSWER 24 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1976:408093 CAPLUS
DN 85:8093
TI Functional fluid compositions containing substituted pyrimidines
IN Sullivan, James D.
PA Monsanto Co., USA
SO U.S., 10 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|--------|----------|-----------------|----------|
| PI | US 3939084 | A | 19760217 | US 1973-429451 | 19731228 |
| | NL 6704601 | A | 19671009 | NL 1967-4601 | 19670331 |
| | ES 338687 | A1 | 19680401 | ES 1967-338687 | 19670331 |
| | BE 696664 | A | 19671005 | BE 1967-696664 | 19670405 |
| | IL 27743 | A1 | 19710128 | IL 1967-27743 | 19670405 |
| | BR 6788302 | A0 | 19730109 | BR 1967-188302 | 19670405 |
| | GB 1188813 | A | 19700422 | GB 1967-1188813 | 19670406 |
| | GB 1192910 | A | 19700528 | GB 1967-1192910 | 19670406 |
| | US 3591500 | A | 19710706 | US 1969-796885 | 19690205 |
| | US 3752764 | A | 19730814 | US 1971-156134 | 19710623 |
| | US 3759829 | A | 19730918 | US 1971-156133 | 19710623 |
| | US 3788992 | A | 19740129 | US 1971-156135 | 19710623 |
| PRAI | US 1966-540488 | | 19660406 | | |
| | US 1969-796885 | | 19690205 | | |
| | US 1971-156133 | | 19710623 | | |
| | US 1972-316159 | | 19721218 | | |
| IT | 7144-22-1 23244-86-2 | | | | |
| | RL: USES (Uses) | | | | |
| | (antioxidants, for thioether hydraulic fluids) | | | | |
| RN | 7144-22-1 | CAPLUS | | | |
| CN | 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine (9CI) (CA INDEX NAME) | | | | |

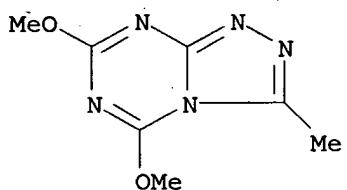


RN 23244-86-2 CAPLUS
CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-5,7-diamine (9CI) (CA INDEX NAME)

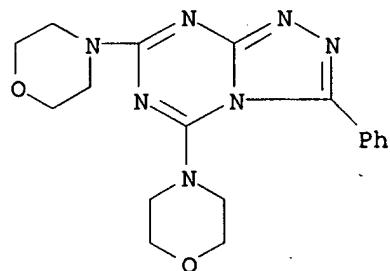


10/781,956

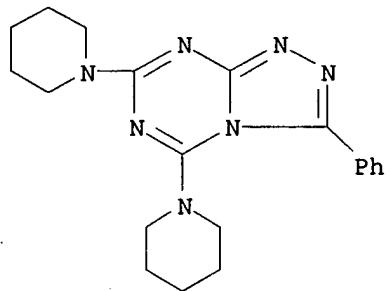
L5 ANSWER 25 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1975:488612 CAPLUS
DN 83:88612
TI Photolysis of azido-1,3,5-triazine. Photocycloaddition of singlet nitrene to nitriles
AU Yamada, Hideo; Shizuka, Haruo; Matsui, Kohji
CS Dep. Chem., Gunma Univ., Kiryu, Japan
SO Journal of Organic Chemistry (1975), 40(9), 1351-3
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA English
IT 54410-40-1P
RL: FORM (Formation, nonpreparative); PREP (Preparation)
(formation of, in photocycloaddn. of azidodimethoxytriazine with acetonitrile)
RN 54410-40-1 CAPLUS
CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine, 5,7-dimethoxy-3-methyl- (9CI) (CA INDEX NAME)



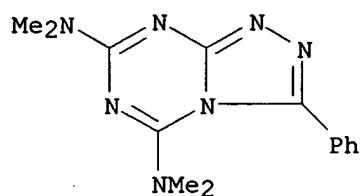
LS ANSWER 26 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1975:125364 CAPLUS
 DN 82:125364
 TI Synthesis of s-triazolo[4,3-a]-s-triazines and their isomerization to
 s-triazolo[2,3-a]-s-triazines
 AU Deshpande, R. J.; Roa, A. V. Rama
 CS Natl. Chem. Lab., Poona, India
 SO Synthesis (1974), (12), 863-5
 CODEN: SYNTBF; ISSN: 0039-7881
 DT Journal
 LA English
 IT 13888-14-7P 54807-07-7P 54807-10-2P
 54807-11-3P 54807-15-7P 54807-16-8P
 54807-22-6P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation and rearrangement of)
 RN 13888-14-7 CAPLUS
 CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine, 5,7-di-4-morpholinyl-3-phenyl- (9CI)
 (CA INDEX NAME)



RN 54807-07-7 CAPLUS
 CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine, 3-phenyl-5,7-di-1-piperidinyl- (9CI)
 (CA INDEX NAME)

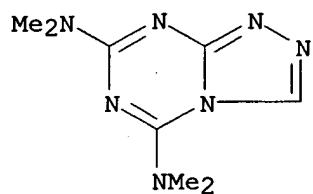


RN 54807-10-2 CAPLUS
 CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-5,7-diamine, N,N,N',N'-tetramethyl-3-phenyl- (9CI) (CA INDEX NAME)



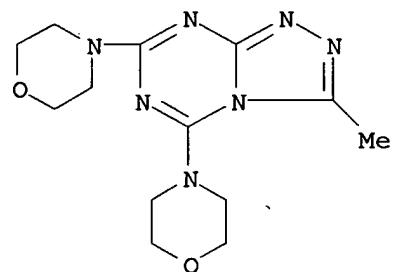
RN 54807-11-3 CAPLUS

CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-5,7-diamine, N,N,N',N'-tetramethyl- (9CI) (CA INDEX NAME)



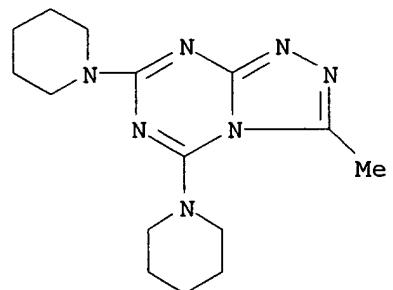
RN 54807-15-7 CAPLUS

CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine, 3-methyl-5,7-di-4-morpholinyl- (9CI) (CA INDEX NAME)



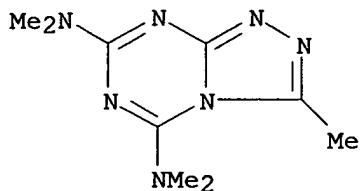
RN 54807-16-8 CAPLUS

CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine, 3-methyl-5,7-di-1-piperidinyl- (9CI) (CA INDEX NAME)

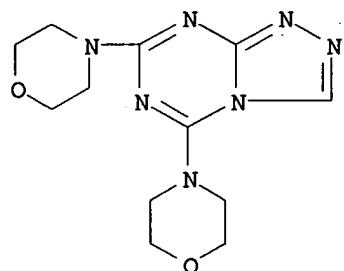


10/781,956

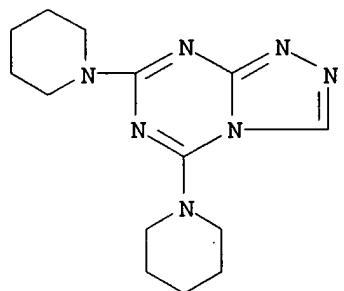
RN 54807-22-6 CAPLUS
CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-5,7-diamine, N,N,N',N',3-pentamethyl- (9CI) (CA INDEX NAME)



IT 54807-08-8P 54807-09-9P
RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)
RN 54807-08-8 CAPLUS
CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine, 5,7-di-4-morpholinyl- (9CI) (CA INDEX NAME)

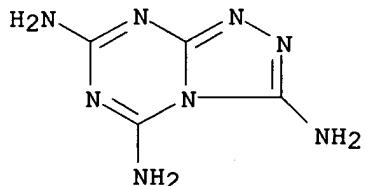


RN 54807-09-9 CAPLUS
CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine, 5,7-di-1-piperidinyl- (9CI) (CA INDEX NAME)

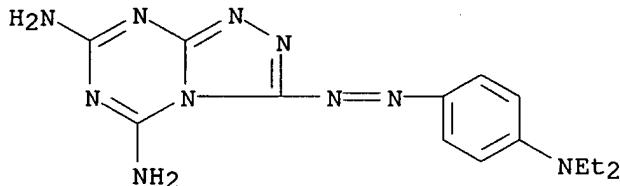


L5 ANSWER 27 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1974:522766 CAPLUS
 DN 81:122766
 TI Basic azo dyes
 IN Maeda, Shigeo; Ozutsumi, Minoru; Kurahashi, Takeo
 PA Hodogaya Chemical Co., Ltd.
 SO Jpn. Kokai Tokkyo Koho, 14 pp.
 CODEN: JKXXAF
 DT Patent
 LA Japanese
 FAN.CNT 1

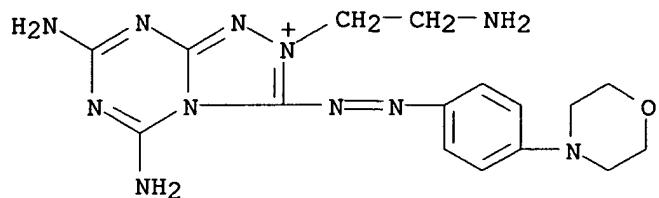
| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|--------|----------|-----------------|----------|
| PI | JP 49027287 | A2 | 19740311 | JP 1972-65429 | 19720701 |
| PRAI | JP 1972-65429 | | 19720701 | | |
| IT | 7144-22-1 | | | | |
| | RL: USES (Uses) | | | | |
| | (coupling of diazotized, in manufacture of azo dyes for acrylic fibers) | | | | |
| RN | 7144-22-1 | CAPLUS | | | |
| CN | 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine (9CI) (CA INDEX NAME) | | | | |



IT **52470-03-8P 52470-04-9P 52552-87-1P**
52569-71-8P
 RL: IMF (Industrial manufacture); PREP (Preparation)
 (preparation of)
 RN 52470-03-8 CAPLUS
 CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-5,7-diamine, 3-[[4-(diethylamino)phenyl]azo]- (9CI) (CA INDEX NAME)



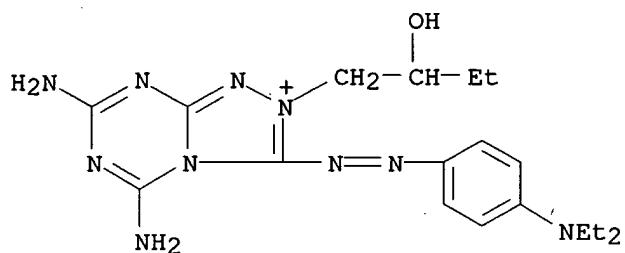
RN 52470-04-9 CAPLUS
 CN 1,2,4-Triazolo[4,3-a][1,3,5]triazinium, 5,7-diamino-2-(2-aminoethyl)-3-[(4-morpholinyl)phenyl]azo], chloride (9CI) (CA INDEX NAME)



● Cl⁻

RN 52552-87-1 CAPLUS

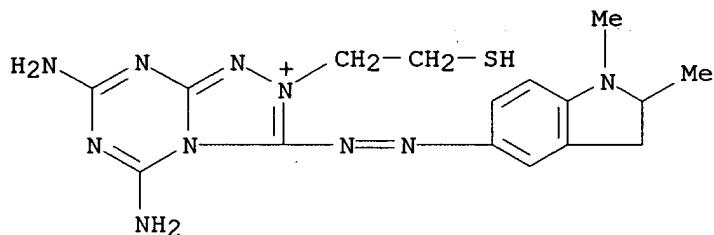
CN 1,2,4-Triazolo[4,3-a][1,3,5]triazinium, 5,7-diamino-3-[(4-(diethylamino)phenyl)azo]-2-(2-hydroxybutyl)-, chloride (9CI) (CA INDEX NAME)



● Cl⁻

RN 52569-71-8 CAPLUS

CN 1,2,4-Triazolo[4,3-a][1,3,5]triazinium, 5,7-diamino-3-[(2,3-dihydro-1,2-dimethyl-1H-indol-5-yl)azo]-2-(2-mercaptopethyl)-, chloride (9CI) (CA INDEX NAME)



● Cl⁻

L5 ANSWER 28 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1974:493042 CAPLUS

DN 81:93042

TI Basic azo dye

IN Maeda, Shigeo; Ozutsumi, Minoru; Kubota, Yoshio

PA Hodogaya Chemical Co., Ltd.

SO Jpn. Kokai Tokkyo Koho, 10 pp.

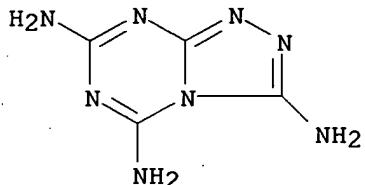
CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|---|------|----------|-----------------|----------|
| PI | JP 49024226 | A2 | 19740304 | JP 1972-65430 | 19720701 |
| PRAI | JP 1972-65430 | | | | |
| IT | 7144-22-1 | | | | |
| | RL: USES (Uses) | | | | |
| | (coupling of diazotized, with methylphenylindole) | | | | |
| RN | 7144-22-1 CAPLUS | | | | |
| CN | 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine (9CI) (CA INDEX NAME) | | | | |

IT **52171-26-3P 52204-56-5P 52204-57-6P**RL: IMF (Industrial manufacture); PREP (Preparation)
(preparation of)

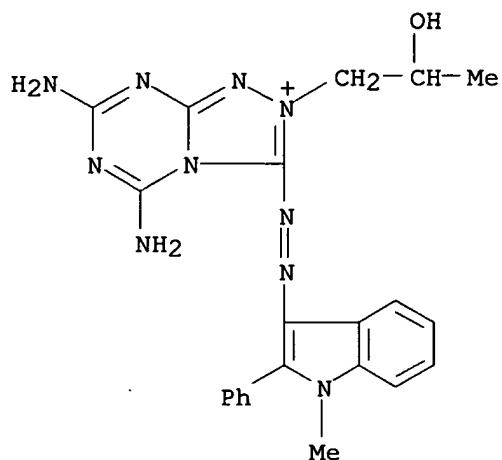
RN 52171-26-3 CAPLUS

CN 1,2,4-Triazolo[4,3-a][1,3,5]triazinium, 5,7-diamino-2-(2-hydroxypropyl)-3-[(1-methyl-2-phenyl-1H-indol-3-yl)azo]-, (T-4)-tetrachlorozincate(2-) (2:1) (9CI) (CA INDEX NAME)

CM 1

CRN 52171-25-2

CMF C22 H23 N10 O

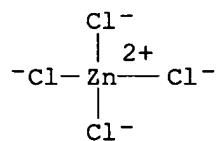


CM 2

CRN 15201-05-5

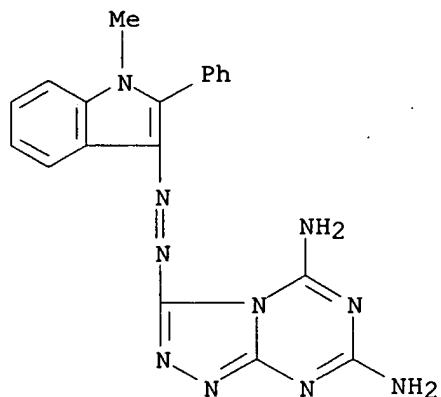
CMF Cl4 Zn

CCI CCS



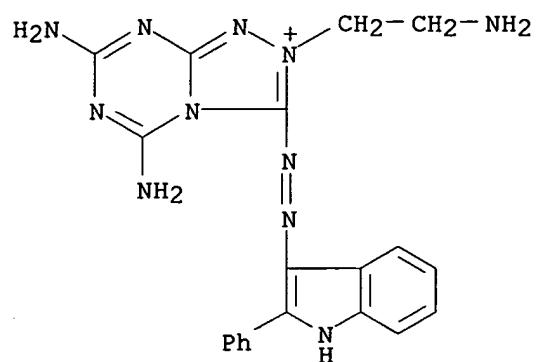
RN 52204-56-5 CAPLUS

CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-5,7-diamine, 3-[(1-methyl-2-phenyl-1H-indol-3-yl)azo]- (9CI) (CA INDEX NAME)



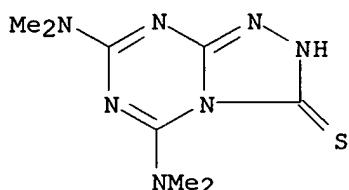
RN 52204-57-6 CAPLUS

CN 1,2,4-Triazolo[4,3-a][1,3,5]triazinium, 5,7-diamino-2-(2-aminoethyl)-3-[(2-phenyl-1H-indol-3-yl)azo]-, chloride (9CI) (CA INDEX NAME)

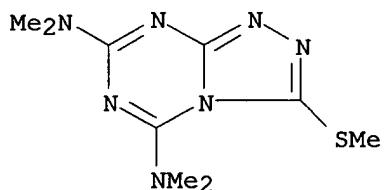


● Cl⁻

L5 ANSWER 29 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1973:432013 CAPLUS
 DN 79:32013
 TI Synthesis and Dimroth-type rearrangement of 5,7-bis(dimethylamino)-3-(methylthio)-s-triazolo[4,3-a]-s-triazine
 AU DeMilo, Albert B.; Oliver, James E.; Gilardi, Richard D.
 CS Agric. Environ. Qual. Inst., Agric. Res. Serv., Beltsville, MD, USA
 SO Journal of Heterocyclic Chemistry (1973), 10(2), 231-3
 CODEN: JHTCAD; ISSN: 0022-152X
 DT Journal
 LA English
 IT 41832-47-7P 41832-48-8P 41832-49-9P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 41832-47-7 CAPLUS
 CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3(2H)-thione, 5,7-bis(dimethylamino)-(9CI) (CA INDEX NAME)



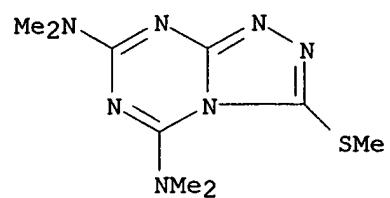
RN 41832-48-8 CAPLUS
 CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-5,7-diamine, N,N,N',N'-tetramethyl-3-(methylthio)-, monohydrate (9CI) (CA INDEX NAME)



● HI

RN 41832-49-9 CAPLUS
 CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-5,7-diamine, N,N,N',N'-tetramethyl-3-(methylthio)- (9CI) (CA INDEX NAME)

10/781,956

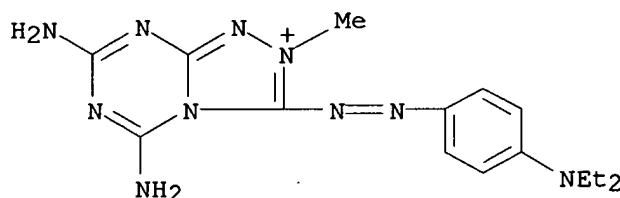


L5 ANSWER 30 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1972:490056 CAPLUS
 DN 77:90056
 TI Basic azo dyes
 IN Ozutsumi, Minoru; Maeda, Shigeo; Nakajo, Teruo; Shinmura, Isao
 PA Hodogaya Chemical Co., Ltd.
 SO Jpn. Tokkyo Koho, 20 pp.
 CODEN: JAXXAD
 DT Patent
 LA Japanese
 FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|--|----------|
| PI | JP 47011348 | B4 | 19720408 | JP 1969-92904 | 19691121 |
| IT | 35894-58-7P 37502-57-1P | | | RL: IMF (Industrial manufacture); PREP (Preparation)
(preparation of) | |
| RN | 35894-58-7 CAPLUS | | | | |
| CN | 1,2,4-Triazolo[4,3-a][1,3,5]triazinium, 5,7-diamino-3-[[4-(diethylamino)phenyl]azo]-2-methyl-, methyl sulfate (9CI) (CA INDEX NAME) | | | | |

CM 1

CRN 50565-99-6
 CMF C15 H21 N10

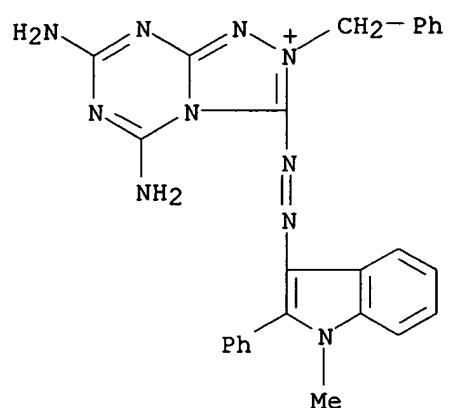


CM 2

CRN 21228-90-0
 CMF C H3 O4 S

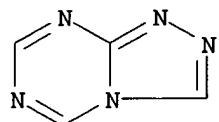
Me-O-SO₃⁻

RN 37502-57-1 CAPLUS
 CN 1,2,4-Triazolo[4,3-a][1,3,5]triazinium, 5,7-diamino-3-[(1-methyl-2-phenyl-1H-indol-3-yl)azo]-2-(phenylmethyl)-, chloride (9CI) (CA INDEX NAME)

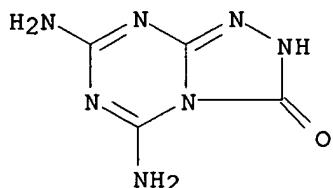


● Cl^-

L5 ANSWER 31 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1971:509632 CAPLUS
DN 75:109632
TI Minimal structural conditions for the Dimroth-type rearrangement in the polyazaindolizine series
AU Guerret, Patrick; Jacquier, Robert; Maury, Georges
CS Lab. Synth. Et. Physiochim. Heterocycles Azotes, Univ. Sci. Tech. Languedoc, Montpellier, Fr.
SO Journal of Heterocyclic Chemistry (1971), 8(4), 643-50
CODEN: JHTCAD; ISSN: 0022-152X
DT Journal
LA English
IT 274-99-7
RL: PRP (Properties)
(electron d. of, calcn. of)
RN 274-99-7 CAPLUS
CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine (9CI) (CA INDEX NAME)



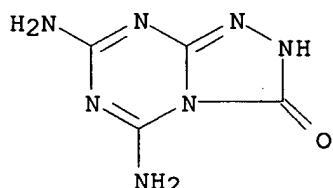
L5 ANSWER 32 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1971:87928 CAPLUS
 DN 74:87928
 TI Synthesis and oxidation of hydrazino-s-triazines. III. Synthesis and reactions of hydrazino- and semicarbazide-s-triazines
 AU Honda, Itaru; Keumi, Takashi; Shimomura, Yoshiji
 CS Fukui Univ., Fukui, Japan
 SO Kogyo Kagaku Zasshi (1969), 72(2), 593-9
 CODEN: KGKZA7; ISSN: 0368-5462
 DT Journal
 LA Japanese
 IT 31143-98-3P 31143-99-4P 31144-00-0P
 31144-01-1P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 31143-98-3 CAPLUS
 CN s-Triazolo[4,3-a]-s-triazin-3(2H)-one, 5,7-diamino- (8CI) (CA INDEX NAME)



RN 31143-99-4 CAPLUS
 CN s-Triazolo[4,3-a]-s-triazin-3(2H)-one, 5,7-diamino-, monopicrate (8CI)
 (CA INDEX NAME)

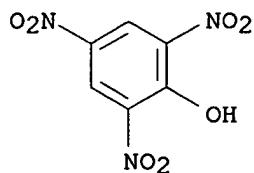
CM 1

CRN 31143-98-3
 CMF C4 H5 N7 O

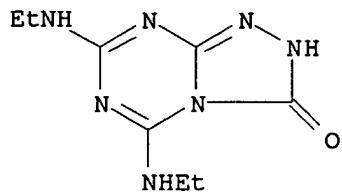


CM 2

CRN 88-89-1
 CMF C6 H3 N3 O7



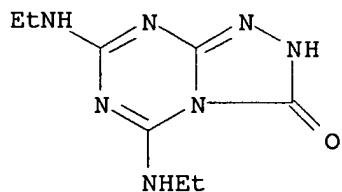
RN 31144-00-0 CAPLUS
CN s-Triazolo[4,3-a]-s-triazin-3(2H)-one, 5,7-bis(ethylamino)- (8CI) (CA INDEX NAME)



RN 31144-01-1 CAPLUS
CN s-Triazolo[4,3-a]-s-triazin-3(2H)-one, 5,7-bis(ethylamino)-, monopicrate (8CI) (CA INDEX NAME)

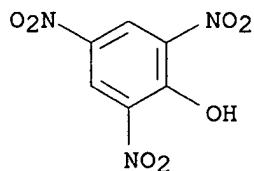
CM 1

CRN 31144-00-0
CMF C8 H13 N7 O



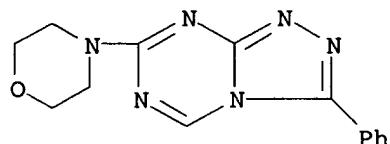
CM 2

CRN 88-89-1
CMF C6 H3 N3 O7

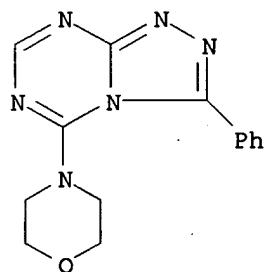


10/781,956

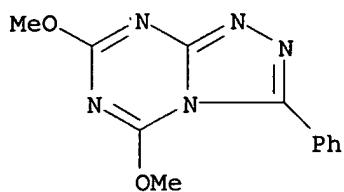
L5 ANSWER 33 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1970:477206 CAPLUS
 DN 73:77206
 TI Synthesis of s-triazolo[4,3-a]-1,3,5-triazines
 AU Kobe, J.; Stanovnik, B.; Tisler, Miha
 CS Dep. Chem., Univ. Ljubljana, Ljubljana, Yugoslavia
 SO Tetrahedron (1970), 26(13), 3357-68
 CODEN: TETRAB; ISSN: 0040-4020
 DT Journal
 LA English
 IT 28750-23-4 28750-24-5
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (mixture with isomer)
 RN 28750-23-4 CAPLUS
 CN s-Triazolo[4,3-a]-s-triazine, 7-morpholino-3-phenyl- (8CI) (CA INDEX NAME)



RN 28750-24-5 CAPLUS
 CN s-Triazolo[4,3-a]-s-triazine, 5-morpholino-3-phenyl- (8CI) (CA INDEX NAME)

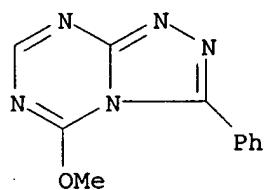


IT 13888-17-0P 28735-54-8P 28750-17-6P
 28750-19-8P 28750-20-1P 28750-21-2P
 28750-22-3P 28750-26-7P 28750-27-8P
 28750-28-9P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 13888-17-0 CAPLUS
 CN s-Triazolo[4,3-a]-s-triazine, 5,7-dimethoxy-3-phenyl- (8CI) (CA INDEX NAME)



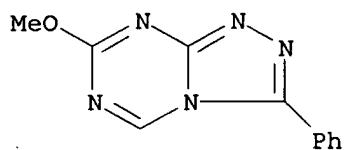
RN 28735-54-8 CAPLUS

CN s-Triazolo[4,3-a]-s-triazine, 5-methoxy-3-phenyl- (8CI) (CA INDEX NAME)



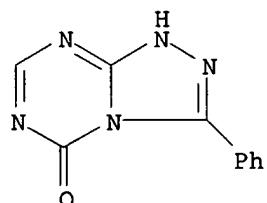
RN 28750-17-6 CAPLUS

CN s-Triazolo[4,3-a]-s-triazine, 7-methoxy-3-phenyl- (8CI) (CA INDEX NAME)



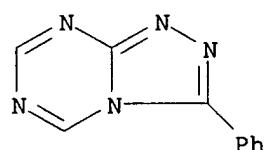
RN 28750-19-8 CAPLUS

CN s-Triazolo[4,3-a]-s-triazin-5(8H)-one, 3-phenyl- (8CI) (CA INDEX NAME)



RN 28750-20-1 CAPLUS

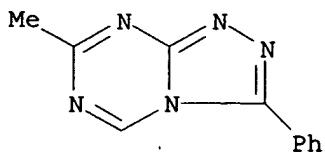
CN s-Triazolo[4,3-a]-s-triazine, 3-phenyl- (8CI) (CA INDEX NAME)



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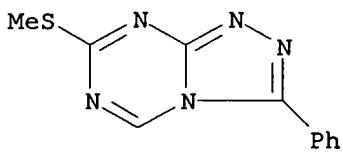
RN 28750-21-2 CAPLUS

CN s-Triazolo[4,3-a]-s-triazine, 7-methyl-3-phenyl- (8CI) (CA INDEX NAME)



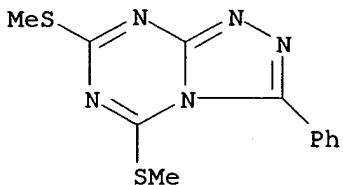
RN 28750-22-3 CAPLUS

CN s-Triazolo[4,3-a]-s-triazine, 7-(methylthio)-3-phenyl- (8CI) (CA INDEX NAME)



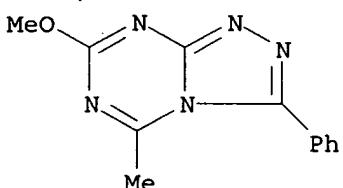
RN 28750-26-7 CAPLUS

CN s-Triazolo[4,3-a]-s-triazine, 5,7-bis(methylthio)-3-phenyl- (8CI) (CA INDEX NAME)



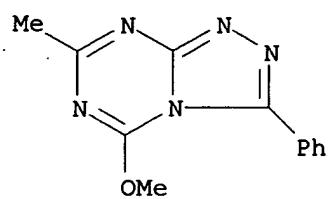
RN 28750-27-8 CAPLUS

CN s-Triazolo[4,3-a]-s-triazine, 7-methoxy-5-methyl-3-phenyl- (8CI) (CA INDEX NAME)



RN 28750-28-9 CAPLUS

CN s-Triazolo[4,3-a]-s-triazine, 5-methoxy-7-methyl-3-phenyl- (8CI) (CA INDEX NAME)



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LS ANSWER 34 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1969:98498 CAPLUS

DN 70:98498

TI Heat-transfer fluids and lubricants containing nitrogen compound corrosion inhibitors

IN Sullivan, James D.

PA Monsanto Co.

SO Fr., 15 pp.

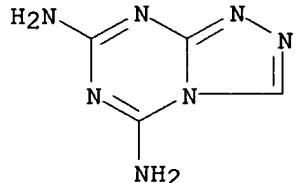
CODEN: FRXXAK

DT Patent

LA French

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|------|--|--------|----------|-----------------|------|
| PI | FR 1517601 | | 19680315 | | |
| | DE 1644909 | | | DE | |
| | GB 1188813 | | | GB | |
| | GB 1192910 | | | GB | |
| | US 3591500 | | 19710000 | US | |
| | US 3752764 | | 19730000 | US | |
| | US 3759829 | | 19730000 | US | |
| | US 3788992 | | 19740000 | US | |
| PRAI | US | | | 19660406 | |
| IT | 23244-86-2 | | | | |
| | RL: USES (Uses) | | | | |
| | (corrosion inhibitors, for ether lubricants) | | | | |
| RN | 23244-86-2 | CAPLUS | | | |
| CN | 1,2,4-Triazolo[4,3-a][1,3,5]triazine-5,7-diamine (9CI) (CA INDEX NAME) | | | | |



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L5 ANSWER 35 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1967:104972 CAPLUS

DN 66:104972

TI Heterocycles. XLVIII. Preparation of substituted 1,3,5-triazines and a novel synthesis of substituted s-triazolo-[4,3-a]-s-triazines

AU Jelenc, M.; Kobe, J.; Stanovnik, B.; Tisler, Miha

CS Univ. Ljubljana, Ljubljana, Yugoslavia

SO Monatshefte fuer Chemie (1966), 97(6), 1713-22

CODEN: MOCHAP

DT Journal

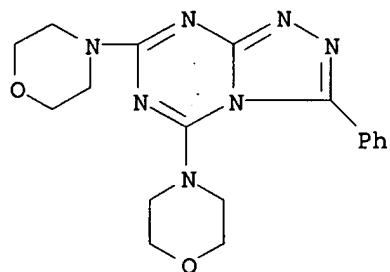
LA German

IT 13888-14-7P 13888-17-0P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of)

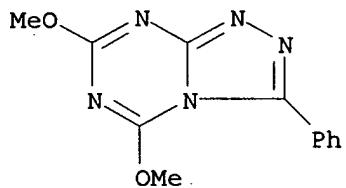
RN 13888-14-7 CAPLUS

CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine, 5,7-di-4-morpholinyl-3-phenyl- (9CI)
(CA INDEX NAME)

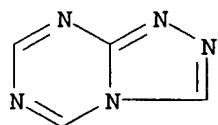


RN 13888-17-0 CAPLUS

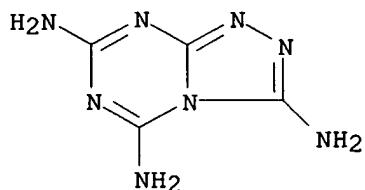
CN s-Triazolo[4,3-a]-s-triazine, 5,7-dimethoxy-3-phenyl- (8CI) (CA INDEX
NAME)



L5 ANSWER 36 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
 AN 1963:469578 CAPLUS
 DN 59:69578
 OREF 59:12952a-c
 TI A new synthesis of dyes of the triazine series. II. Vat dyes of triazolotriazine series
 AU Titkov, V. A.; Pletnev, I. D.
 SO Zhurnal Obshchey Khimii (1963), 33(4), 1355-7
 CODEN: ZOKHA4; ISSN: 0044-460X
 DT Journal
 LA Unavailable
 IT 274-99-7, s-Triazolo[4,3-a]-s-triazine
 (derivs.)
 RN 274-99-7 CAPLUS
 CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine (9CI) (CA INDEX NAME)

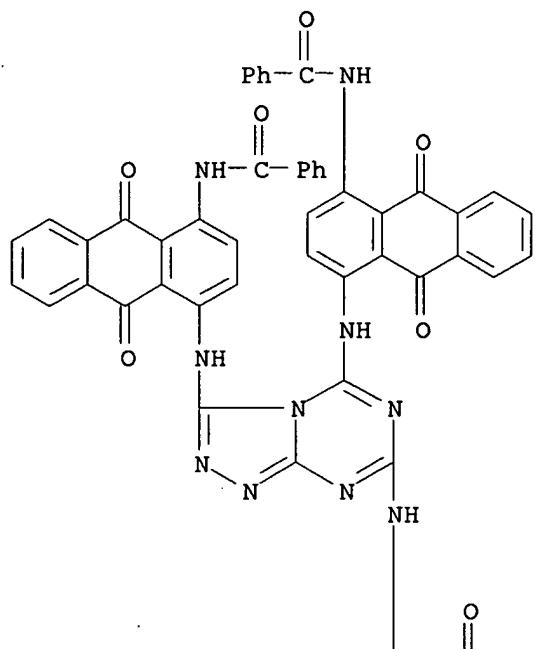


IT 7144-22-1, s-Triazolo[4,3-a]-s-triazine, 3,5,7-triamino-
107421-36-3, Anthraquinone, 1,1',1'''-(s-triazolo[4,3-a]-s-triazine-
 3,5,7-triyltriimino)tris[4-benzamido- **107421-37-4**,
 Anthraquinone, 1,1',1'''-(s-triazolo[4,3-a]-s-triazine-3,5,7-
 triyltriimino)tris[5-benzamido- **107526-52-3**, Anthraquinone,
 1,1',1'''-(s-triazolo[4,3-a]-s-triazine-3,5,7-triyltriimino)tris[3-bromo-
107541-70-8, Anthraquinone, 1,1',1'''-(s-triazolo[4,3-a]-s-triazine-
 3,5,7-triyltriimino)tri-
 (preparation of)
 RN 7144-22-1 CAPLUS
 CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine (9CI) (CA INDEX NAME)

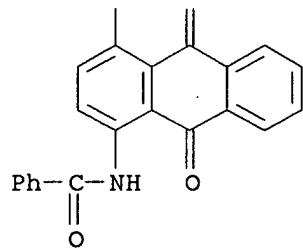


RN 107421-36-3 CAPLUS
 CN Anthraquinone, 1,1',1'''-(s-triazolo[4,3-a]-s-triazine-3,5,7-
 triyltriimino)tris[4-benzamido- (7CI) (CA INDEX NAME)

PAGE 1-A



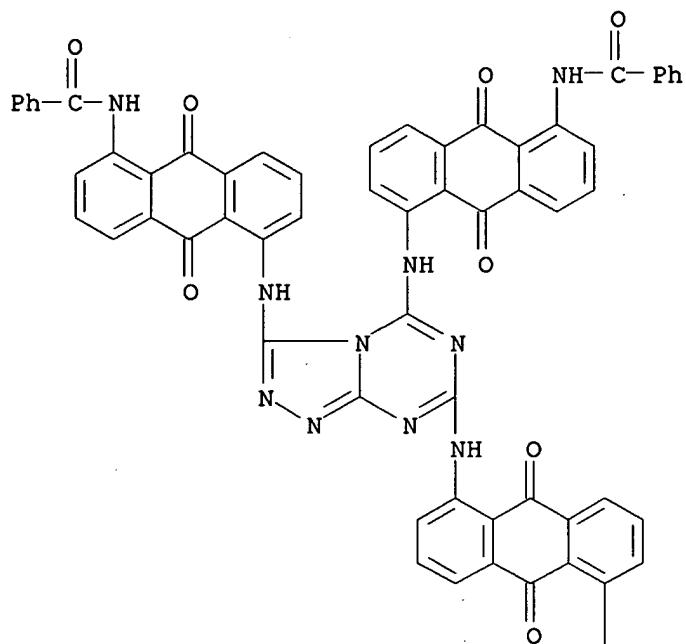
PAGE 2-A



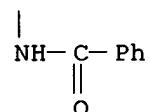
RN 107421-37-4 CAPLUS

CN Anthraquinone, 1,1',1''-(s-triazolo[4,3-a]-s-triazine-3,5,7-triyltriiimino)tris[5-benzamido- (7CI) (CA INDEX NAME)]

PAGE 1-A

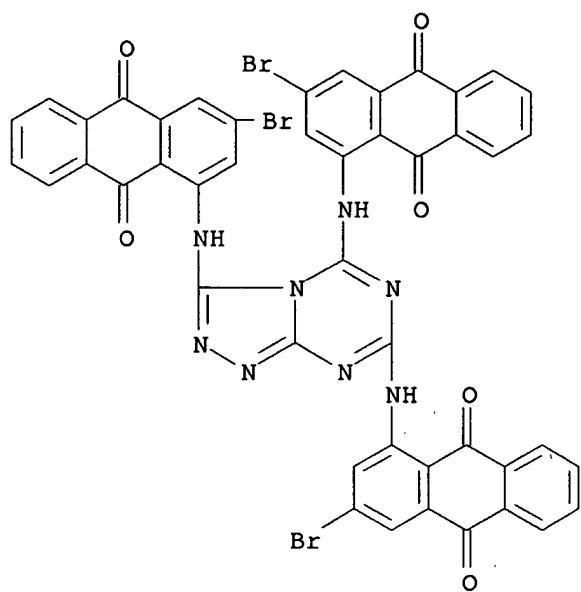


PAGE 2-A



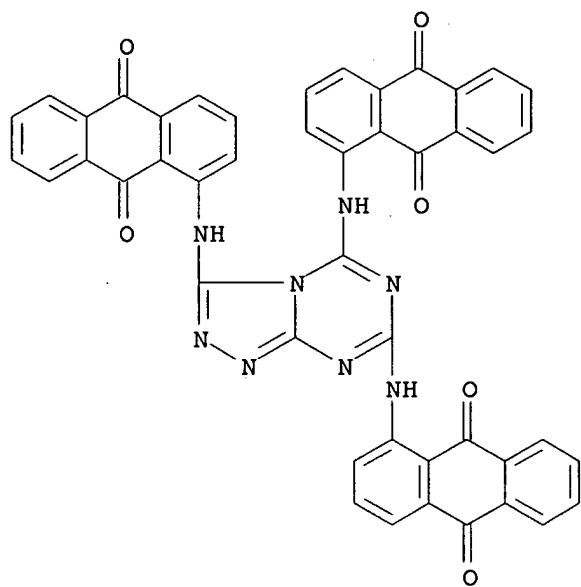
RN 107526-52-3 CAPLUS

CN Anthraquinone, 1,1',1''-(s-triazolo[4,3-a]-s-triazine-3,5,7-triyltriimino)tris[3-bromo- (7CI) (CA INDEX NAME)



RN 107541-70-8 CAPLUS

CN Anthraquinone, 1,1',1''-(s-triazolo[4,3-a]-s-triazine-3,5,7-triyltriimino)tri- (7CI) (CA INDEX NAME)



L5 ANSWER 37 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN

AN 1960:41080 CAPLUS

DN 54:41080

OREF 54:8096e-f

TI Vat dyes

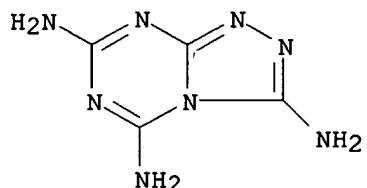
IN Titkov, V. A.; Pletnev, I. D.

DT Patent

LA Unavailable

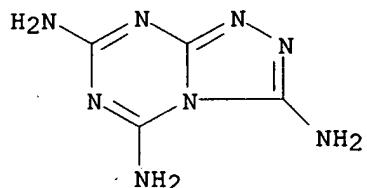
FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|---|------|----------|-----------------|------|
| PI | SU 122227 | | 19590825 | SU | |
| IT | 7144-22-1, s-Triazolo[4,3-a]-s-triazine, 3,5,7-triamino- | | | | |
| | (reaction with 1-chloroanthraquinone and dyes therefrom) | | | | |
| RN | 7144-22-1 CAPLUS | | | | |
| CN | 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine (9CI) | | | (CA INDEX NAME) | |



10/781,956

L5 ANSWER 38 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1954:77635 CAPLUS
DN 48:77635
OREF 48:13687a-f
TI Dicyandiamide. V. Structures of guanazo- and pyroguanazoles, and reaction
of dicyandiamide with 3-amino-5-substituted-4H-1,2,4-triazoles
AU Kaiser, D. W.; Peters, G. A.; Wystrach, V. P.
CS American Cyanamid Co., Stamford, CT
SO Journal of Organic Chemistry (1953), 18, 1610-15
CODEN: JOCEAH; ISSN: 0022-3263
DT Journal
LA Unavailable
IT 7144-22-1, s-Triazolo[4,3-a]-s-triazine, 3,5,7-triamino-
(as structure for guanazoguanazole)
RN 7144-22-1 CAPLUS
CN 1,2,4-Triazolo[4,3-a][1,3,5]triazine-3,5,7-triamine (9CI) (CA INDEX NAME)



L5 ANSWER 39 OF 39 CAPLUS COPYRIGHT 2003 ACS on STN
AN 1949:44173 CAPLUS

DN 43:44173

OREF 43:7974h-i,7975a

TI Triazine derivative

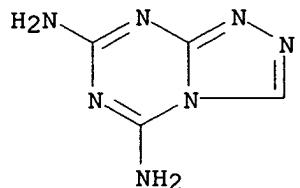
PA Cilag Ltd.

DT Patent

LA Unavailable

FAN.CNT 1

| | PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|----|--|--|----------|-----------------|------|
| PI | CH 243738 | | 19470116 | CH | |
| IT | 23244-86-2 | s-Triazolo[4,3-a]-s-triazine, 5,7-diamino- | | | |
| | | (3-derivs.) | | | |
| RN | 23244-86-2 | CAPLUS | | | |
| CN | 1,2,4-Triazolo[4,3-a][1,3,5]triazine-5,7-diamine (9CI) | | | (CA INDEX NAME) | |



10/781,956

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COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE
ENTRY
122.87
TOTAL
SESSION
271.23

STN INTERNATIONAL LOGOFF AT 14:02:46 ON 27 SEP 2003